

**Generic
Programmin
g Advanced
Lectures
Lecture
Notes In
Computer
Science**

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Lecture Notes
Part 1 of 4 - An
advanced
introduction to
C#; Lecture
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- Mastering C#;
Lecture Notes
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Advanced
programming
with C#; Lecture

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- Professional
techniques for
C#; References.
Data types in
C#; Operators;
Control flow;
Introduction to
OOP; Interfaces;
Constructors;
Access
modifiers;

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Reference and
value types
Generic
programming and
the C++
standard library.
Exception,
safety issues and
techniques. The
transactional
memory model.
Class design and

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inheritance.
Compilers,
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interfaces.
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management.
Traps, pitfalls
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iterators.
Advanced
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with C# -
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Web
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Step by Step
Lecture 2
HTML/CSS
Basics Reading:
Ch. 2, 3.1 ...
Search Google or
our Lecture

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Notes. uses the href attribute to specify the destination URL can be absolute (to another web site) or relative (to another page on this site) ... placing a generic font name at the end of your font-

family value
ensures that
every

Advanced
Generics: CS
310 Lecture
notes

Generic
Programming
Advanced
Lectures Lecture
Generic

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Programming:
Advanced
Lectures
(Lecture Notes
in Computer
Science) [Roland
Backhouse,
Jeremy Gibbons]
on Amazon.com.
FREE shipping
on qualifying
offers. Generic

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programming
attempts to make
programming
more efficient by
making it more
general. This
book is devoted
to a novel form
of genericity in
programs

Generic

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Programming:
Advanced
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(Lecture Notes
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Generic
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book is devoted to a novel form of genericity in programs, based on parameterizing programs by the structure of the data they manipulate. The book presents the following

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four revised and
extended

Generic
Programming -
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Roland
Backhouse ...
Generic
programming :
advanced

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lectures. [Roland
C Backhouse;
Jeremy
Gibbons;] --
Generic
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book is devoted

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to a novel form
of genericity in
programs, based
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programs by the
...

Generic
programming :
advanced
lectures (eBook,

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2003 ...

where generic is
a generic
function name
and class is the
corresponding
class for the
method.

Examples of
generic functions
are `summary()`,
`print()` and

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plot()).

See?UseMethod
for how to create
new generic
functions for S3
methods. ...

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Advanced
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Lecture 4 -
University of
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Lecture Notes:
Generic
Programming. A
Java variable can
be one of the
eight primitive
data types.

Anything that's

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not one of the eight primitive types is a reference to an object. Java has an important built-in data type called Object. An Object variable is capable of holding a reference to any

kind of object. In
Java,...

CS240 --
Lecture Notes:
Generic
Programming
Topics covered:
Generic
Operators.
Instructors: Hal
Abelson and

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Gerald Jay
Sussman.
Subtitles for this
course are
provided through
the generous
assistance of
Henry Baker,
Hoofar Pourzand,
Heather Wood,
Aleksejs
Truhans, Steven

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Edwards, George
Menhorn, and
Mahendra
Kumar.

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Video Lectures |
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Lecture 2

HTML/CSS

Basics Reading:

Ch. 2, 3.1 ...

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Notes. uses the
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(to another web

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(to another page
on this site) ...
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ensures that
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Generic
programming and
the C++
standard library.
Exception,
safety issues and
techniques. The
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Class design and
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Compilers,
names and
interfaces.

Memory
management.

Traps, pitfalls
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Functors and
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C and C++
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C#; References.
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Constructors;
Access
modifiers;
Reference and
value types

An advanced
introduction to
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Notes Part 1 of 4

...

Lecture by

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Professor Jerry
Cain for
Programming
Paradigms
(CS107) in the
Stanford
University
Computer
Science
department.
Professor Cain
provides an

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overview of the
course.

Programming
Paradigms ...

Lecture 1 |
Programming
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(Stanford)

In this lecture
we will cover
generic

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collection classes, which arrived with Java 1.5. At a basic level, generics allow us to parameterize the type of a collection class. For example, with generics we can declare that

a List x must
contain only
String values by
writing
`List<String> x;`

Collection
Classes:
Generics
Lecture by
Professor Jerry
Cain for

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Programming
Paradigms
(CS107) in the
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Computer
Science
department. In
this lecture,
Prof. Cain
focuses on linear
search and stack

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within the ...

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Java, vol. I, ch. 7

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Lecture Notes —

Advanced

Programming

Using Java

Summer ...

Faculty of Science

Information and C

omputing Science

s 54 The Express

ion Problem Phil

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Wadler dubbed this the Expression Problem: The expression problem is a new name for an

Generic programming -
Advanced functional programming ...

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the generic type identifier is used as the type for a parameter for the function. In the above example, the following would also have been valid: 1 int
main() { 2 cout
<< sum(1, 2)

```
<< endl; 3 cout  
<< sum(1.21,  
2.43) << endl; 4  
return 0; 5 }
```

Templates can
also specify
more than one
type parameter.

Lecture 9 Notes:
Advanced Topics
I - MIT

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OpenCourseWare

Object-Oriented
Programming
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Lecture Notes

27 March 2008

- Advanced
Generics.

Outline. Generic
methods. Mixing
new and old

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code. Remember
This? ... Generic
methods in
generic classes
may or may not
be independent
of one-another.
Generic-Method
Mutation.

Advanced
Generics: CS

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The compiler creates methods that will be called on using += and -= in combination with our defined event. The corresponding method will be called once we use the variable

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with one of those operators. The compiler uses the Combine method of the Delegate class to combine multiple delegates in one delegate by using +=.

Advanced

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programming
with C# -
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Datatype-
Generic
Programming:
International
Spring School,
SSDGP 2006,
Nottingham, UK,
April 24-27,

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2006, Revised
Lectures
(Lecture Notes
in Computer
Science) 2007th
Edition by
Roland
Backhouse
(Editor), Jeremy
Gibbons
(Editor), Ralf
Hinze (Editor),

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Johan Jeuring
(Editor) & 1
more

Generic Programming:
Advanced Lectures
(Lecture Notes in
Computer Science)
[Roland Backhouse,
Jeremy Gibbons] on
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shipping on qualifying offers. Generic programming attempts to make programming more efficient by making it more general. This book is devoted to a novel form of genericity in programs

Object-Oriented Programming with Java
Lecture Notes 27
March 2008 •

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Advanced Generics.
Outline. Generic
methods. Mixing new
and old code.
Remember This? ...
Generic methods in
generic classes may or
may not be
independent of one-
another. Generic-
Method Mutation.
Collection Classes:
Generics

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Lecture 1 |
Programming
Paradigms (Stanford)
Generic programming :
advanced lectures.
[Roland C Backhouse;
Jeremy Gibbons;] --
Generic programming
attempts to make
programming more
efficient by making it
more general. This
book is devoted to a

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novel form of
genericity in programs,
based on
parameterizing
programs by the ...

**Generic
programming -
Advanced
functional
programming ...**

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C and C++ Programming IV Advanced Programming with Objects ...

In this lecture we will cover generic collection classes, which arrived with Java 1.5. At a basic level, generics allow us

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to parameterize the type of a collection class. For example, with generics we can declare that a List x must contain only String values by writing

```
List<String> x;
```

CS240 -- Lecture Notes: Generic

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Programming. A Java variable can be one of the eight primitive data types. Anything that's not one of the eight primitive types is a reference to an object. Java has an important built-in data type called

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Object. An Object variable is capable of holding a reference to any kind of object. In Java,...

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Programming from
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Michigan. EECS
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Advanced Generic
Programming
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Friday,
Generic
programming
attempts to make

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book presents
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Datatype-Generic
Programming:

International
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SSDGP 2006,

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Lectures

(Lecture Notes

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in Computer
Science) 2007th
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(Editor) & 1
more

**Generic
Programming**

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**Advanced
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Programming -
EECS 280 ...
An advanced
introduction to C# -
Lecture Notes Part 1
of 4 ...

Web Programming Step by Ste

Topics covered:

Generic Operators.

Instructors: Hal
Abelson and Gerald
Jay Sussman.

Subtitles for this
course are provided
through the
generous assistance
of Henry Baker,

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Hoofar Pourzand,
Heather Wood,
Aleksejs Truhans,
Steven Edwards,
George Menhorn,
and Mahendra
Kumar.

Faculty of Science Inf
ormation and Compu
ting Sciences 54 The
Expression Problem
Phil Wadler dubbed th

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istheExpressionProblem: The expression problem is a new name for an

The compiler creates methods that will be called on using += and -= in combination with our defined event. The corresponding method will be called once we use the variable with

Page 65/102

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The compiler uses the
Combine method of the
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Generic Programming -
Advanced Lectures |
Roland Backhouse ...
Lecture 9 Notes:
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Advanced Programming
Using Java Summer ...
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(Lecture Notes in ...

Lecture 5 |
Programming
Paradigms (Stanford)
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of Pittsburgh

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where generic is a generic function name and class is the corresponding class for the method.

Examples of generic functions are `summary()`, `print()` and `plot()`. See `?UseMethod` for how to create new generic functions for S3 methods. ...

Advanced

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Advanced Lectures

Lecture

Generic

Programming:

Advanced Lectures

(Lecture Notes in

Computer Science)

[Roland Backhouse,

Jeremy Gibbons] on

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Generic programming
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novel form of
genericity in programs

Generic

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Programming:
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Generic programming
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- Advanced Lectures |
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[Roland C Backhouse;

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Jeremy Gibbons;] --
Generic programming
attempts to make
programming more
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Generic programming
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Java,...

CS240 -- Lecture

Notes: Generic

Programming

Topics covered:

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Henry Baker, Hoofar
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Truhans, Steven
Edwards, George
Menhorn, and
Mahendra Kumar.

4B: Generic
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Lectures | Structure
and ...

Web Programming

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Step by Step Lecture 2

HTML/CSS Basics

Reading: Ch. 2, 3.1 ...

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Lecture Notes. uses
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Web Programming
Step by Ste
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and the C++ standard
library. Exception,
safety issues and
techniques. The
transactional memory
model. Class design
and inheritance.

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Compilers, names and interfaces. Memory management. Traps, pitfalls and anti-idioms. Functors and iterators.

C and C++
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of 4 - An advanced
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Operators; Control flow; Introduction to OOP; Interfaces; Constructors; Access modifiers; Reference and value types

An advanced introduction to C# -
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Lecture by Professor
Jerry Cain for
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Programming
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the Stanford
University Computer
Science department.
Professor Cain
provides an overview
of the course.
Programming
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Paradigms (Stanford)

In this lecture we will cover generic collection classes, which arrived with Java 1.5. At a basic level, generics allow us to parameterize the type of a collection class. For example, with generics we can declare that a List x must contain only

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`x;`.

Collection Classes:
Generics
Lecture by Professor
Jerry Cain for
Programming
Paradigms (CS107) in
the Stanford
University Computer
Science department.

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In this lecture, Prof. Cain focuses on linear search and stack within the ...

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Java, vol. I, ch. 7 – 8

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Programming Using
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Faculty of Science Information and Computing
Sciences 54 The Expression Problem
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Generic programming
- Advanced functional

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programming ...
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following would also
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main() {2 cout <<
sum(1, 2) << endl; 3
cout << sum(1.21,
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Templates can also specify more than one type parameter.

Lecture 9 Notes:
Advanced Topics I -
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OpenCourseWare
Object-Oriented
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March 2008 •
Advanced Generics.

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Outline. Generic methods. Mixing new and old code.

Remember This? ...

Generic methods in generic classes may or may not be independent of one-another. Generic-Method Mutation.

Advanced Generics:
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Gibbons (Editor), Ralf

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Hinze (Editor), Johan
Jeuring (Editor) & 1
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Lecture by Professor
Jerry Cain for
Programming
Paradigms (CS107)

in the Stanford
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search and stack
within the ...

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