

# Esc101

# Fundamentals of Computing

# Spring 2005

Lecture 07  
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<http://www.iitk.ac.in/esc101/>

# Announcements

- Lectures on Fri and Mon by Harish Karnick
- Does everyone have a lab/tutorial section?

# Summary from Previous Lecture

- Expressions and operators
  - Arithmetic, relational, equality, logical
- Examples: Expr.java
- More examples:
  - Rectangle.java

# More Java Operators

- Assignment operator:  $x = 7$ ,  $\text{origin.y} = \text{origin.x}$
- Compound operators:
  - $x += 6$  (same as  $x = x + 6$ )
  - Similarly  $-=$ ,  $*=$ ,  $/=$ ,  $\%=$ ,  $\&=$  etc.
- The **new** operator:  $\text{new Counter}()$  (unary)
- Other unary operators:  $++$ ,  $--$
- Ternary operator (conditional operator):
  - $(2 < 3) ? 6 : 7$

# Summary and Next Class...

- Today:
  - Rectangle.java
  - More Java operators
- Next 2 classes:
  - The conditional operator ( $x == 1$ ) ? 5 : 9
  - if-else
  - Loops, switch
  - Scoping example, Rational.java