Computer Programing in Java

Lecture 4
Java Math

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Java Math

- The Java Math class has many methods that allows you to perform mathematical tasks on numbers.
- The Math.max(x,y) method can be used to find the highest value of x and y:

    Math.max(5, 10);

- The Math.min(x,y) method can be used to find the lowest value of x and y:

    Math.min(5, 10);

Java Math

- Math.sqrt(x)
- The Math.sqrt(x) method returns the square root of x:

  Math.sqrt(64);

- Math.abs(*x*)
- The Math.abs(x) method returns the absolute (positive) value of x:

  Math.abs(-4.7);

Random Numbers

- Math.random() returns a random number between 0.0 (inclusive), and 1.0 (exclusive):

  ```
  Math.random();


  int randomNum = (int)(Math.random() * 101);  // 0 to 100
  ```