BREAK AND CONTINUE STATEMENTS

zyBook 5.11

BREAK & CONTINUE STATEMENTS

- break Statement
  - Used to break out of a loop
  - Used to break out of switch statements

- continue Statement
  - With continue statement, code immediately goes to condition test.

```java
import java.util.Scanner;

public class SumOfIntegers {

  public static void main(String[] args) {
    Scanner in = new Scanner(System.in);
    int sum = 0;
    while (true) {
      System.out.print("Enter non-negative "
        + "int (or -1 to quit): ");
      int val = in.nextInt();
      if (val == -1) {
        // quit loop
        break;
      }
      if (val < 0) {
        // skip adding to sum
        continue;
      }
      sum += val;
    }
    System.out.println("Sum of non-negative"
      + "ints you entered: " + sum);

  }

}
```

```
$ javac -d bin -cp bin src/SumOfIntegers.java

$ java -cp bin SumOfIntegers
Enter non-negative int (or -1 to quit): 4
Enter non-negative int (or -1 to quit): 3
Enter non-negative int (or -1 to quit): -7
Enter non-negative int (or -1 to quit): -1
Sum of non-negative ints you entered: 7

$ java -cp bin SumOfIntegers
Enter non-negative int (or -1 to quit): 9
Enter non-negative int (or -1 to quit): 2
Enter non-negative int (or -1 to quit): -1
Sum of non-negative ints you entered: 11

$ java -cp bin SumOfIntegers
Enter non-negative int (or -1 to quit): -9
Enter non-negative int (or -1 to quit): -8
Enter non-negative int (or -1 to quit): -1
Sum of non-negative ints you entered: 0
```