iteration-statement:
  while-statement
  do-while-statement
  for-statement

while-statement:
  while (condition) statement

package p01;
public class P01 {
  public static void main(String[] args) {
    int count=10;
    while (count>0){
      System.out.print(count", ");
      count--;
    }
    System.out.println(" Blast Off!");
  }
}

Figure 1. while-statement control flow

Figure 2. Program p01, while-statement example

10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0 Blast Off!

Figure 3. Output for package p01.
**do-while-statement:**

```java
do statement while ( expression );
```

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**Figure 4. do-while statement control flow**

```java
package p02;
public class P02 {
    public static void main(String[] args) {
        int count = 10;
        do {
            System.out.print(count +", ");
            count--;
        } while (count > 0);
        System.out.print(count);
        System.out.println(" Blast Off!");
    }
}
```

**Figure 5. do-while statement example**

10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0 Blast Off!

**Figure 6. do-while statement example output**
for-statement:
   for ( initialization-expression-list ; condition ; increment-decrement-expression-list )
   statement

initialization-expression-list:
   initialization-expression
   initialization-expression-list , initialization-expression

initialization-expression:
   expression-statement
   simple-declaration

increment-decrement-expression-list:
   expression-statement
   increment-decrement-expression-list , expression-statement

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Figure 7. for statement control flow
package p03;
public class P03 {
    public static void main(String[] args) {
        for (int count = 10; count >= 0; count--) System.out.print(count +", ");
        System.out.println("Blast Off!");
    }
}

Figure 8. for statement example

10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0, Blast Off!

Figure 9. for statement example output