```
Compiled from "Main.java"
                                         public class Main {
                                           public Main();
private static void method() {
                                             Code:
   int index = 0;
                                                0: aload 0
                                                1: invokespecial #1
                                                                                    // Method java/lang/Object."<init>":()V
                                                4: return
       index++:
                                           public static void main(java.lang.String[]);
                                             Code:
                                                0: invokestatic #7
                                                                                    // Method method:()V
                                                                                    // Field java/lang/System.out:Ljava/io/PrintStream;
                                                3: getstatic
                                                                 #12
public static void main(String[] args) {
                                                6: ldc
                                                                 #18
                                                                                    // String Hello, world!
   method();
                                                8: invokevirtual #20
                                                                                    // Method java/io/PrintStream.println:(Ljava/lang/String;)V
                                               11: return
   System.out.println("Hello, world!");
                                         Compiled from "Main.java"
                                         public class Main {
                                           public Main();
                                             Code:
   System.out.println("Hello, world!");
                                                 0: aload_0
                                                1: invokespecial #1
                                                                                        // Method java/lang/Object."<init>":()V
                                                 4: return
public static void main(String[] args) {
                                           public static void main(java.lang.String[]);
                                             Code:
                                                 0: iconst 0
       index++;
                                                1: istore 1
                                                 2: iconst 0
                                                 3: istore 2
                                                4: iload 2
   method();
                                                 5: bipush
                                                                   10
                                                7: if icmpge
                                                                   19
                                                10: iinc
                                                                   1, 1
                                                13: iinc
                                                                   2, 1
                                                16: goto
                                                19: invokestatic #21
                                                                                        // Method method:()V
                                                22: return
```

```
public class Main {

private static void method() {
    int index = 0;
    for(int i = 0; i < 10; i++) {
        index++;
    }

System.out.println("Hello, world!");
}

public static void main(String[] args) {
    method();
}
}</pre>
```

```
Compiled from "Main.java"
public class Main {
 public Main();
   Code:
      0: aload_0
      1: invokespecial #1
                                           // Method java/lang/Object."<init>":()V
      4: return
 public static void main(java.lang.String[]);
   Code:
      0: iconst 0
      1: istore 1
      2: iconst 0
      3: istore_2
      4: iload 2
      5: bipush
                       10
      7: if icmpge
                       19
     10: iinc
                       1, 1
     13: iinc
                       2, 1
     16: goto
     19: invokestatic #21
                                           // Method method:()V
     22: return
```

```
public class Main {
    private static void method() { }

public static void main(String[] args) {
    int index = 0;
    for(int i = 0; i < 10; i++) {
        index++;
    }

    method();
    System.out.println("Hello, world!");
}
</pre>
```

```
Compiled from "Main.java"
public class Main {
 public Main();
   Code:
      0: aload 0
      1: invokespecial #1
                                           // Method java/lang/Object."<init>":()V
      4: return
 public static void main(java.lang.String[]);
   Code:
      0: iconst 0
      1: istore 1
      2: iconst 0
      3: istore 2
      4: iload 2
      5: bipush
                       10
                       19
      7: if_icmpge
     10: iinc
                       1, 1
     13: iinc
                       2, 1
     16: goto
                                           // Method method:()V
     19: invokestatic #7
     22: getstatic
                       #12
                                           // Field java/lang/System.out:Ljava/io/PrintStream;
     25: ldc
                       #18
                                           // String Hello, world!
     27: invokevirtual #20
                                           // Method java/io/PrintStream.println:(Ljava/lang/String;)V
     30: return
```

```
public class Main {

private static int method() {
    return 0;
}

public static void main(String[] args) {
    int index = 0;
    for(int i = 0; i < 10; i++) {
        index++;
    }

    method();
    System.out.println("Hello, world!");
}
</pre>
```

```
Compiled from "Main.java"
public class Main {
 public Main();
   Code:
      0: aload 0
                                          // Method java/lang/Object."<init>":()V
      1: invokespecial #1
      4: return
 public static void main(java.lang.String[]);
   Code:
      0: iconst_0
      1: istore 1
      2: iconst_0
      3: istore_2
      4: iload 2
      5: bipush
                       10
      7: if icmpge
                       19
     10: iinc
                       1, 1
                       2, 1
     13: iinc
     16: goto
     19: invokestatic #7
                                           // Method method:()I
     22: pop
     23: getstatic
                       #13
                                           // Field java/lang/System.out:Ljava/io/PrintStream;
                                           // String Hello, world!
     26: ldc
                       #19
     28: invokevirtual #21
                                           // Method java/io/PrintStream.println:(Ljava/lang/String;)V
     31: return
```

```
public class Main {

private static void method() {
}

public static void main(String[] args) {
    int index = 0;
    while(i < 10) {
        index++;
    }

method();
    System.out.println("Hello, world!");
}
</pre>
```

```
Compiled from "Main.java"
public class Main {
 public Main();
   Code:
      0: aload_0
      1: invokespecial #1
                                           // Method java/lang/Object."<init>":()V
      4: return
  public static void main(java.lang.String[]);
   Code:
      0: iconst_0
      1: istore_1
      2: iconst_0
      3: istore_2
      4: iload_2
      5: bipush
                       10
      7: if_icmpge
                       19
                       1, 1
      10: iinc
      13: iinc
                       2, 1
      16: goto
     19: invokestatic #7
                                           // Method method:()I
      22: pop
                                           // Field java/lang/System.out:Ljava/io/PrintStream;
     23: getstatic
                       #13
      26: 1dc
                                           // String Hello, world!
                       #19
      28: invokevirtual #21
                                           // Method java/io/PrintStream.println:(Ljava/lang/String;)V
      31: return
```

```
public class Main {

private static void method() {
}

public static void main(String[] args) {
    int index = 0;
    while(i < -10) {
        index--;
    }

method();
    System.out.println("Hello, world!");
}
</pre>
```

```
Compiled from "Main.java"
public class Main {
 public Main();
   Code:
      0: aload_0
      1: invokespecial #1
                                          // Method java/lang/Object."<init>":()V
      4: return
  public static void main(java.lang.String[]);
   Code:
      0: iconst_0
      1: istore_1
      2: iconst_0
      3: istore 2
      4: iload 2
      5: bipush
                       10
      7: if_icmpge
                       19
     10: iinc
     13: iinc
                       2, 1
     16: goto
     19: invokestatic #7
                                          // Method method:()I
     22: pop
                                          // Field java/lang/System.out:Ljava/io/PrintStream;
     23: getstatic
                       #13
     26: ldc
                       #19
                                           // String Hello, world!
                                          // Method java/io/PrintStream.println:(Ljava/lang/String;)V
     28: invokevirtual #21
     31: return
```