```java
public class Main {

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

    public static void main(String[] args) {
        method();
        System.out.println("Hello, world!");
    }
}
```

```
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: invokestatic  #7                  // Method method:()V
       3: getstatic     #12                 // Field java/lang/System.out:Ljava/io/PrintStream;
       6: ldc           #18                 // String Hello, world!
       8: invokevirtual #20                 // Method java/io/PrintStream.println:(Ljava/lang/String;)V
      11: return
}
```

```java
public class Main {

    private static void method() {
        System.out.println("Hello, world!");
    }

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

        method();
    }
}
```

```
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          4
      19: invokestatic  #21                 // Method method:()V
      22: return
}
```

```java
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();
    }
}
```

```
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
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      10: iinc          1, 1
      13: iinc          2, 1
      16: goto          4
      19: invokestatic  #21                 // Method method:()V
      22: return
}
```

```java
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!");
    }
}
```

```
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          4
      19: invokestatic  #7                  // Method method:()V
      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
}
```

```java
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!");
    }
}
```

```
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          4
      19: invokestatic  #7                  // Method method:()I
      22: pop
      23: getstatic     #13                 // Field java/lang/System.out:Ljava/io/PrintStream;
      26: ldc           #19                 // String Hello, world!
      28: invokevirtual #21                 // Method java/io/PrintStream.println:(Ljava/lang/String;)V
      31: return
}
```

```java
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!");
    }
}
```

```
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
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       3: istore_2
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       5: bipush        10
       7: if_icmpge     19
      10: iinc          1, 1
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      16: goto          4
      19: invokestatic  #7                  // Method method:()I
      22: pop
      23: getstatic     #13                 // Field java/lang/System.out:Ljava/io/PrintStream;
      26: ldc           #19                 // String Hello, world!
      28: invokevirtual #21                 // Method java/io/PrintStream.println:(Ljava/lang/String;)V
      31: return
}
```

```java
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!");

    }
}
```

```
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
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      19: invokestatic  #7                  // Method method:()I
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