```
public class Student {
public String name = "";
public int age = 0;
public String major = "Undeclared";
public boolean fulltime = true;
public void display() {
System.out.println("Name: " + name + " Major: " + major);
}
public boolean isFullTime() {
return fulltime;
}
}
```

Given:

```
Public class TestStudent {
Public static void main(String[] args) { Student bob = new Student (); Student jian = new Student();
bob.name = "Bob";
bob.age = 19;
jian = bob; jian.name = "Jian";
System.out.println("Bob's Name: " + bob.name);
}
}
```

What is the result when this program is executed?

A. Bob's Name: Bob
B. Bob's Name: Jian
C. Nothing prints
D. Bob’s name

```
class Overloading {
int x(double d) {
System.out.println("one");
return 0;
}
String x(double d) {
System.out.println("two");
return null;
}
double x(double d) {
System.out.println("three");
return 0.0;
}
public static void main(String[] args) {
new Overloading().x(4.0)
}
}
```

What is the result?

A. One

B. Two

C. Three

D. Compilation fails

```
class X {
static void m(int i) {
}
public static void main (String [] args)
{
int j = 12;
m (j);
System.out.println(j);
}
}
```

What is the result?

A. 7

B. 12

C. 19

D. Compilation fails

E. An exception is thrown at run time

Which two will compile, and can be run successfully using the command:

Java Fred1 fred hello walls

A. class Fred1{
public static void main (String args) { System.out.println(args[1]);
}
}
B. class Fred1{
public static void main (String [] args) { System.out.println(args[2]);
}
}
C. class Fred1 {
public static void main (String [] args) { System.out.println (args);
}
}
D. class Fred1 {
public static void main (String [] args){ System.out.println (args [1]);
}
}

```
public static void main(String[] args) {
String [] table = {"aa", "bb", "cc"};
int ii = 0;
for (String ss:table) { while (ii < table.length) { System.out.println (ii); ii++;
break;
}
}
}
```

How many times is 2 printed?

A. zero

B. once

C. twice

D. thrice

E. it is not printed because compilation fails

```
public class MyFive {
static void main(String[] args) {
short ii;
short jj = 0;
for (ii = kk;ii > 6; ii -= 1) { // line x //
jj++;
}
System.out.println("jj = " + jj);
}
}
```

What value should replace KK in line x to cause jj = 5 to be output?

A. -1

B. 1

C. 5

D. 8

E. 11

```
public class DoWhile {
public static void main (String [] args) {
int ii = 2;
do {
System.out.println (ii);
} while (--ii);
}
}
```

What is the result?

A. 2
1

B. 2
1
0

C. null

D. an infinite loop

E. compilation fails

```
StringBuilder sb = new StringBuilder (); String h1 = "HelloWorld";
sb.append("Hello").append ("world");
if (h1 == sb.toString()) {
System.out.println("They match");
}
if (h1.equals(sb.toString())) {
System.out.println("They really match");
}
```

What is the result?

A. They match They really match

B. They really match

C. They match

D. Nothing is printed to the screen

```
public class Basic {
private static int letter;
public static int getLetter();
public static void Main(String[] args) {
System.out.println(getLetter());
}
}
```

Why will the code not compile?

A. A static field cannot be private.

B. The getLetter method has no body.

C. There is no setletter method.

D. The letter field is uninitialized.

E. It contains a method named Main instead of main

Which declaration initializes a boolean variable?

A. boolean h = 1;

B. boolean k = 0;

C. boolean m = null;

D. boolean j = (1 < 5) ;

```
public class ScopeTest1 {
public static void main(String[] args) {
doStuff(); // line x1 int x1 = x2; // line x2 int x2 = j; // line x3
}
static void doStuff() {
System.out.println(j); // line x4
}
static int j;
}
```

Which line causes a compilation error?

A. line x1

B. line x2

C. line x3

D. line x4

```
if (value >= 0) {
if (value != 0) System.out.print("the "); else System.out.print("quick "); if (value < 10)
System.out.print("brown "); if (value > 30) System.out.print("fox "); else if (value < 50)
System.out.print("jumps "); else if (value < 10) System.out.print("over "); else
System.out.print("the ");
if (value > 10)
System.out.print("lazy ");
} else {
System.out.print("dog ");
}
System.out.print("… ");
}
```

What is the result if the integer value is 33?

A. The fox jump lazy…

B. The fox lazy…

C. Quick fox over lazy …

D. Quick fox the ….