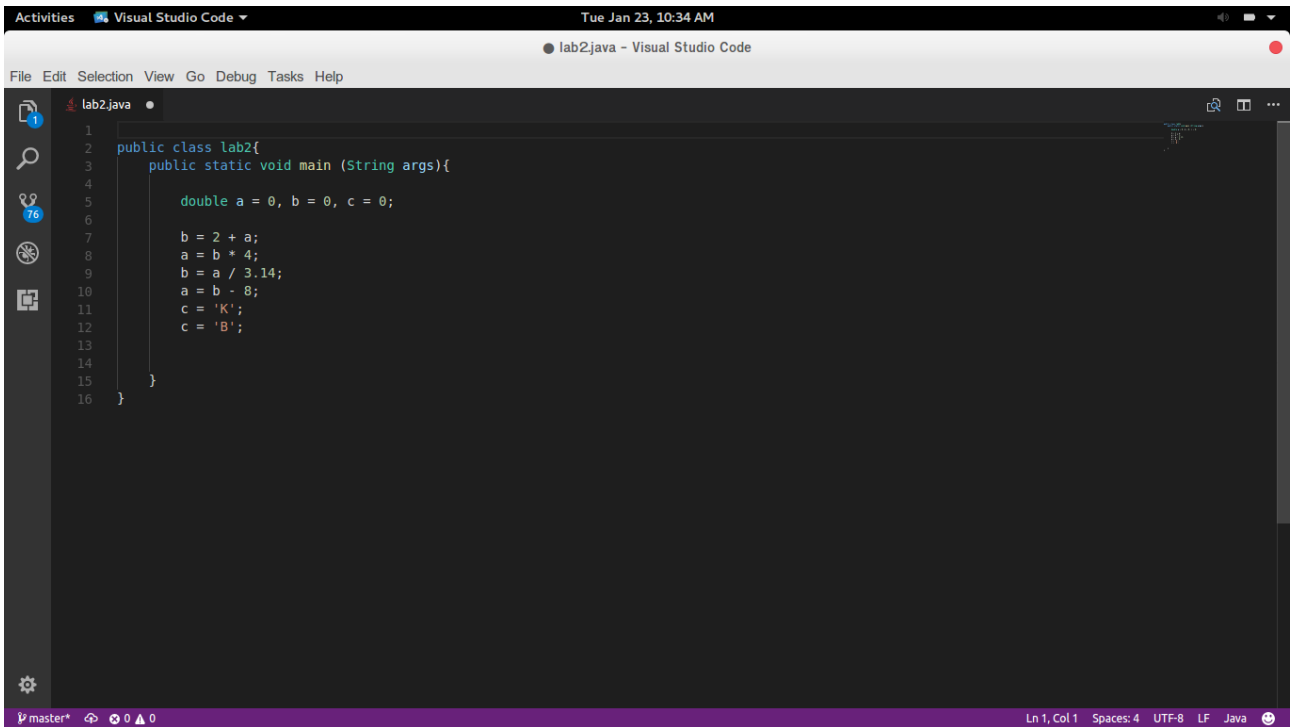
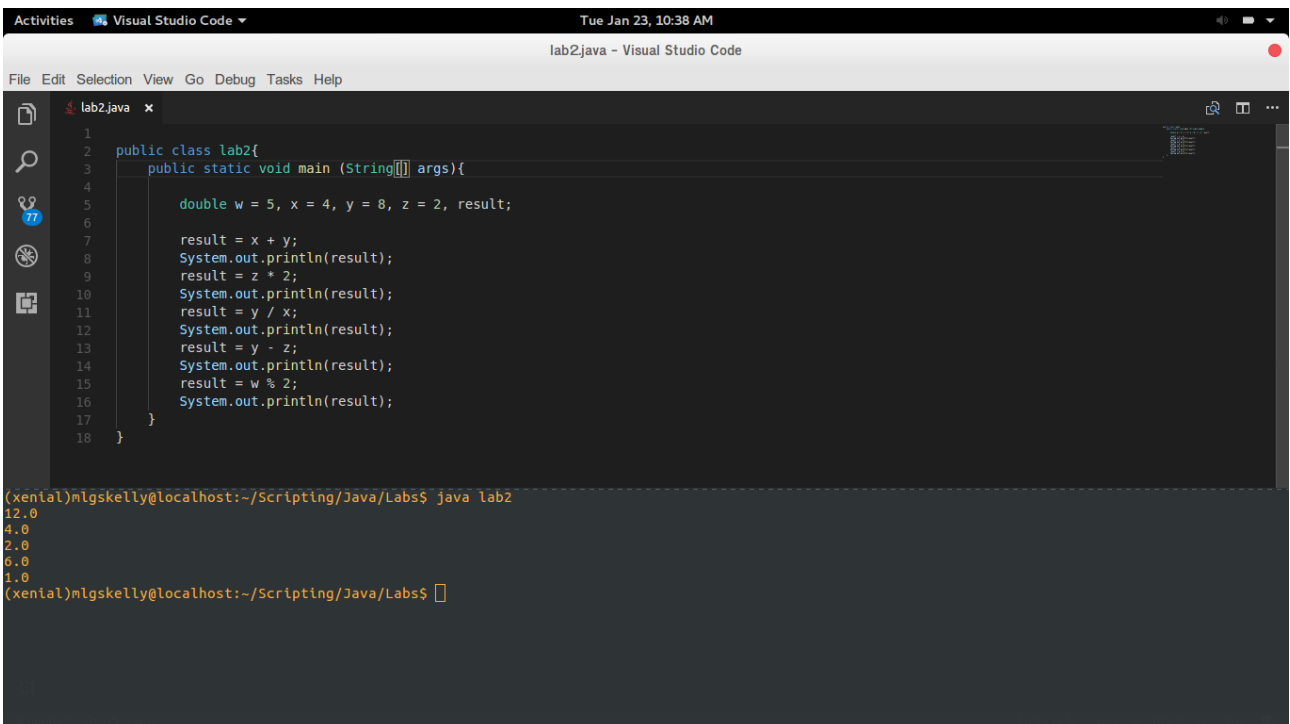


1.



```
1 public class lab2{
2     public static void main (String args){
3
4         double a = 0, b = 0, c = 0;
5
6         b = 2 + a;
7         a = b * 4;
8         b = a / 3.14;
9         a = b - 8;
10        c = 'K';
11        c = 'B';
12    }
13 }
14
15
16 }
```

2.



```
1 public class lab2{
2     public static void main (String[] args){
3
4         double w = 5, x = 4, y = 8, z = 2, result;
5
6         result = x + y;
7         System.out.println(result);
8         result = z * 2;
9         System.out.println(result);
10        result = y / x;
11        System.out.println(result);
12        result = y - z;
13        System.out.println(result);
14        result = w % 2;
15        System.out.println(result);
16    }
17 }
18 }
```

```
(xential)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab2
12.0
4.0
2.0
6.0
1.0
(xential)mlgskelly@localhost:~/Scripting/Java/Labs$
```

3.

The screenshot shows the Visual Studio Code editor with a file named `lab2.java` open. The code is as follows:

```
1 public class lab2{
2     public static void main (String[] args){
3
4         System.out.print("Hearing in the distance\n\n\n");
5         System.out.print("Two mandolins like creatures in the\n\n\n");
6         System.out.print("dark\n\n\n");
7         System.out.print("Creating the agony of ecstasy.\n\n\n");
8         System.out.println("\t\t - Geroge Barker");
9     }
10 }
11 }
```

Below the editor, the terminal shows the command `java lab2` being executed, resulting in the following output:

```
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab2
Hearing in the distance

Two mandolins like creatures in the

dark

Creating the agony of ecstasy.

- Geroge Barker
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$
```

4.

The screenshot shows the Visual Studio Code editor with a file named `lab2.java` open. The code is as follows:

```
1 public class lab2{
2     public static void main (String[] args){
3
4         int apples = 0, bananas = 2, pears = 10;
5         apples += 10;
6         bananas *= 10;
7         pears /= 10;
8         System.out.println([apples + " " + bananas + " " + pears]);
9     }
10 }
11 }
```

Below the editor, the terminal shows the command `java lab2` being executed, resulting in the following output:

```
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab2
10 20 1
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$
```

5.

The screenshot shows the Visual Studio Code editor with a file named `lab2.java`. The code defines a public class `lab2` with a `main` method. Inside the `main` method, a `double` variable `d` is assigned the value `12.9`. This value is then cast to an `int` and stored in variable `i`. Finally, `System.out.println(i)` is called to print the integer value.

```
1 public class lab2{
2     public static void main (String[] args){
3
4         double d = 12.9;
5         int i = (int)d;
6         System.out.println(i);
7     }
8 }
9
```

Below the editor, a terminal window shows the execution of the program:

```
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$ javac lab2.java
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab2
12
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$
```

6.

The screenshot shows the Visual Studio Code editor with a file named `lab2.java`. The code defines a public class `lab2` with a `main` method. Inside the `main` method, a `String` variable `message` is assigned the value `"Have a great day!"`. The program then prints the message in uppercase using `System.out.println(message.toUpperCase());` and in lowercase using `System.out.println(message);`.

```
1 public class lab2{
2     public static void main (String[] args){
3
4         String message = "Have a great day!";
5         System.out.println(message.toUpperCase());
6         System.out.println(message);
7     }
8 }
9
```

Below the editor, a terminal window shows the execution of the program:

```
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$ java lab2
HAVE A GREAT DAY!
Have a great day!
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs$
```

7.

Activities Visual Studio Code Tue Jan 23, 10:46 AM

lab2.java - Visual Studio Code

File Edit Selection View Go Debug Tasks Help

lab2.java x

```
1
2 public class lab2{
3     public static void main (String[] args){
4
5         double speed = 20, time = 10, distance;
6         distance = speed * time;
7         System.out.println(distance);
8
9     }
10
11 }
```

(xenia)mlgskelly@localhost:~/Scripting/Java/Labs\$ java lab2
200.0(xenia)mlgskelly@localhost:~/Scripting/Java/Labs\$ javac lab2.java
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs\$ java lab2
200.0
(xenia)mlgskelly@localhost:~/Scripting/Java/Labs\$