

UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA



SOFTWARE ENGINEERING

OOP-LAB 1

SUBMITTED TO: ENGR.SIDRA SHAFFI








SUBMITTED BY: MUHAMMAD ARSALAN

REG NO: 20-SE-56

COURSE: OOP-LAB

DATED: September 24, 2021

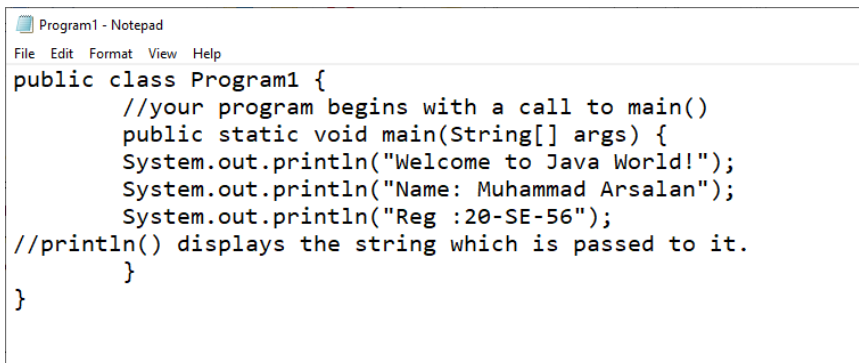
TASKS ON CMD

 abc.class	9/23/2021 4:07 PM	CLASS File
 abc	9/23/2021 2:32 PM	Java source file
 bcd.class	9/23/2021 4:07 PM	CLASS File
 Program1.class	9/23/2021 2:35 PM	CLASS File
 Program1	9/23/2021 2:28 PM	Java source file
 Program2.class	9/23/2021 2:44 PM	CLASS File
 Program2	9/23/2021 2:42 PM	Java source file

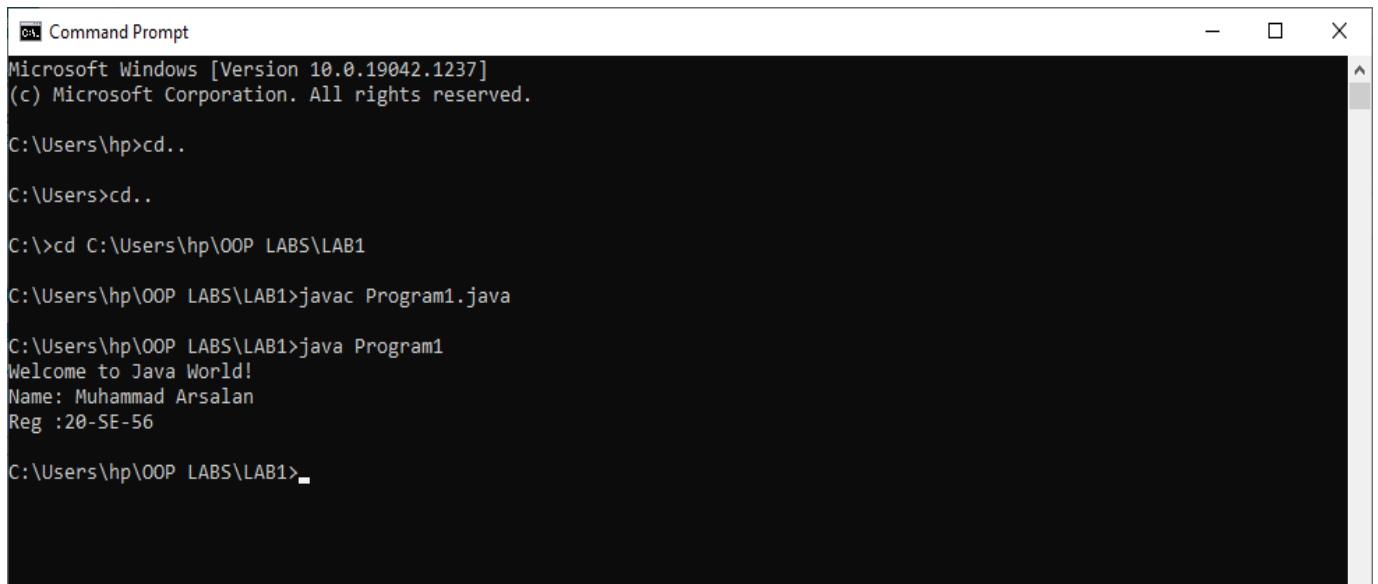
TASK-1

PROGRAM-1

```
public class Program1 {  
    //your program begins with a call to main()  
    public static void main(String[] args) {  
        System.out.println("Welcome to Java World!");  
        System.out.println("Name: Muhammad Arsalan");  
        System.out.println("Reg :20-SE-56");  
        //println() displays the string which is passed to it.  
    }  
}
```



```
Program1 - Notepad  
File Edit Format View Help  
public class Program1 {  
    //your program begins with a call to main()  
    public static void main(String[] args) {  
        System.out.println("Welcome to Java World!");  
        System.out.println("Name: Muhammad Arsalan");  
        System.out.println("Reg :20-SE-56");  
        //println() displays the string which is passed to it.  
    }  
}
```



```
Command Prompt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp>cd..

C:\Users>cd..

C:\>cd C:\Users\hp\OOP LABS\LAB1

C:\Users\hp\OOP LABS\LAB1>javac Program1.java

C:\Users\hp\OOP LABS\LAB1>java Program1
Welcome to Java World!
Name: Muhammad Arsalan
Reg :20-SE-56

C:\Users\hp\OOP LABS\LAB1>_
```

PROGRAM-2

```
class Program2 {

    public static void main(String[] args) {

        int a,b,c; //this statement declares three variables a, b and c.

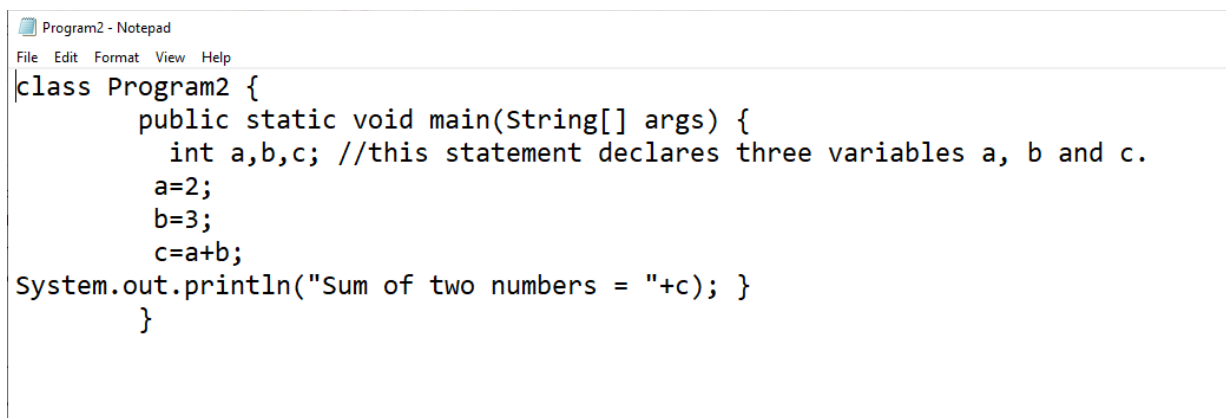
        a=2;

        b=3;

        c=a+b;

        System.out.println("Sum of two numbers = "+c); }

    }
```



```
Program2 - Notepad
File Edit Format View Help
class Program2 {
    public static void main(String[] args) {
        int a,b,c; //this statement declares three variables a, b and c.
        a=2;
        b=3;
        c=a+b;
        System.out.println("Sum of two numbers = "+c); }
    }
```

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp>cd..
C:\Users>cd..
C:\>cd C:\Users\hp\OOP LABS\LAB1
C:\Users\hp\OOP LABS\LAB1>javac Program2.java
C:\Users\hp\OOP LABS\LAB1>java Program2
Sum of two numbers = 5
C:\Users\hp\OOP LABS\LAB1>
```

TASK-2

```
class abc
{
    public static void main(String args[])
    {
        System.out.println("hello world!");
    }
}
class bcd
{
    public static void main(String args[])
    {
        System.out.println("This is my First Program!");
    }
}
```

```
abc - Notepad
File Edit Format View Help
class abc
{
    public static void main(String args[])
    {
        System.out.println("hello world!");
    }
}
class bcd
{
    public static void main(String args[])
    {
        System.out.println("This is my First Program!");
    }
}
```

abc.java

```
Command Prompt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.

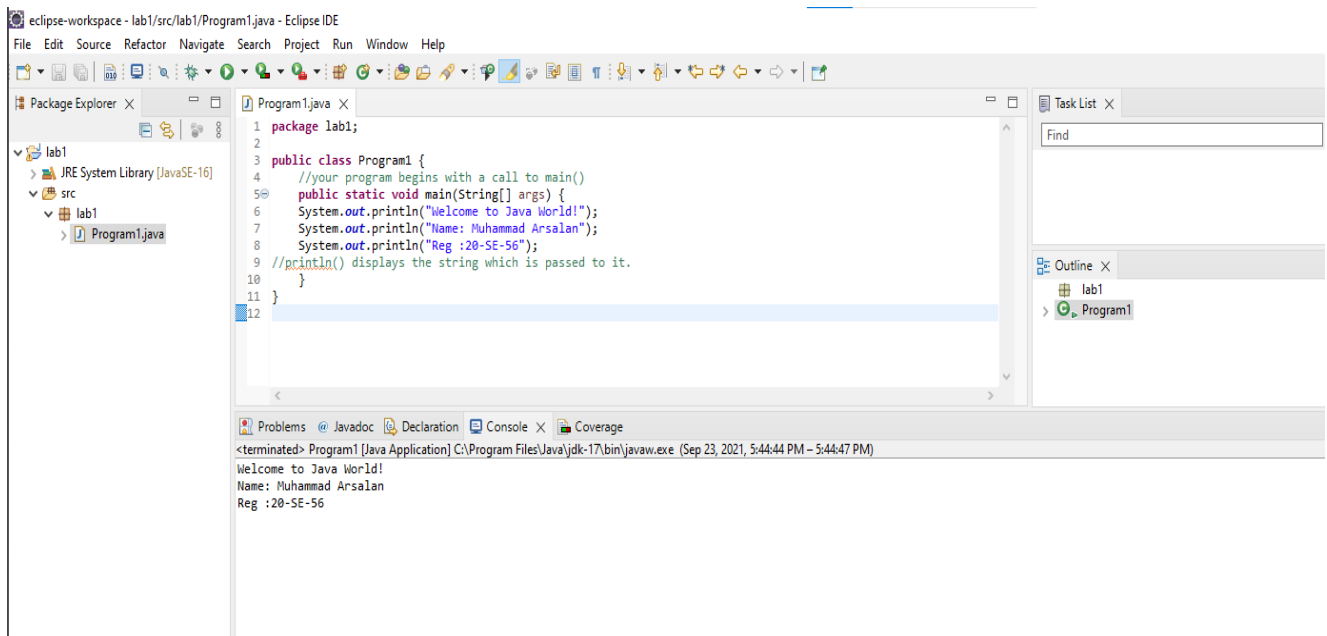
C:\Users\hp>cd..
C:\Users>cd..
C:\>cd C:\Users\hp\OOP LABS\LAB1
C:\Users\hp\OOP LABS\LAB1>javac abc.java
C:\Users\hp\OOP LABS\LAB1>java abc
hello world!
C:\Users\hp\OOP LABS\LAB1>java bcd
This is my First Program!
C:\Users\hp\OOP LABS\LAB1>
```

bcd.java

TASKS ON ECLIPSE

TASK-1

PROGRAM-1



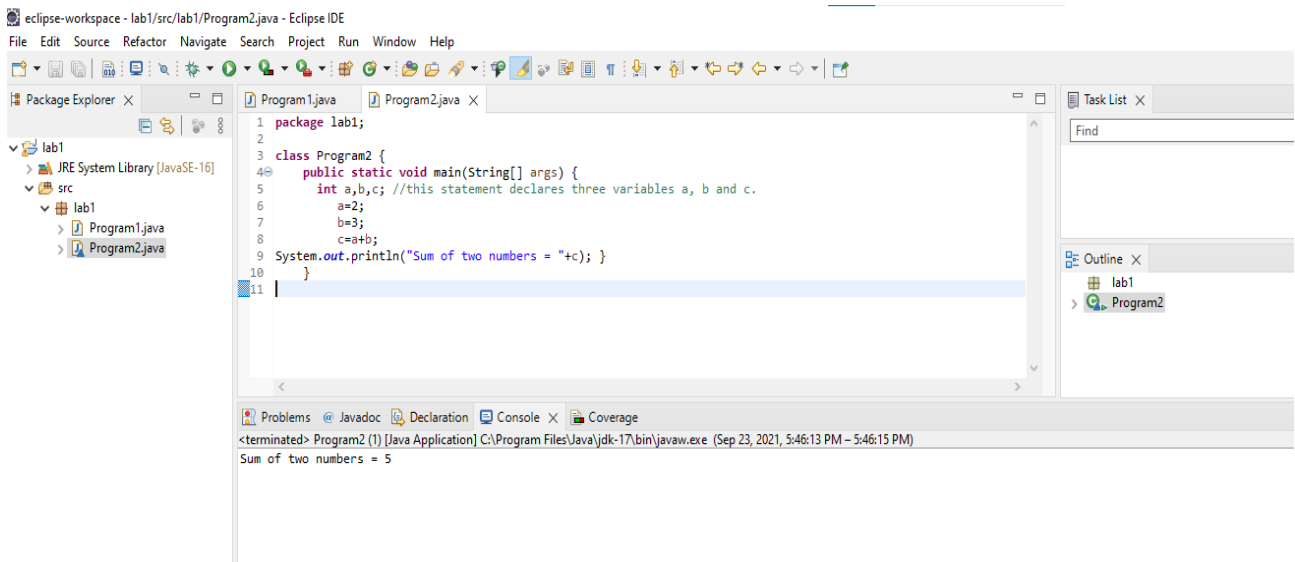
The screenshot shows the Eclipse IDE with a workspace named 'lab1'. The Package Explorer on the left shows a project 'lab1' containing a package 'src' and a class 'Program1'. The main editor displays the code for 'Program1.java'. The code defines a package 'lab1' and a public class 'Program1' with a 'main' method. The 'main' method prints 'Welcome to Java World!', 'Name: Muhammad Arsalan', and 'Reg :20-SE-56'. The Console at the bottom shows the output of the program: 'Welcome to Java World!', 'Name: Muhammad Arsalan', and 'Reg :20-SE-56'.

```
1 package lab1;
2
3 public class Program1 {
4     //your program begins with a call to main()
5     public static void main(String[] args) {
6         System.out.println("Welcome to Java World!");
7         System.out.println("Name: Muhammad Arsalan");
8         System.out.println("Reg :20-SE-56");
9         //println() displays the string which is passed to it.
10    }
11 }
12
```

Console Output:

```
<terminated> Program1 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (Sep 23, 2021, 5:44:44 PM - 5:44:47 PM)
Welcome to Java World!
Name: Muhammad Arsalan
Reg :20-SE-56
```

PROGRAM-2



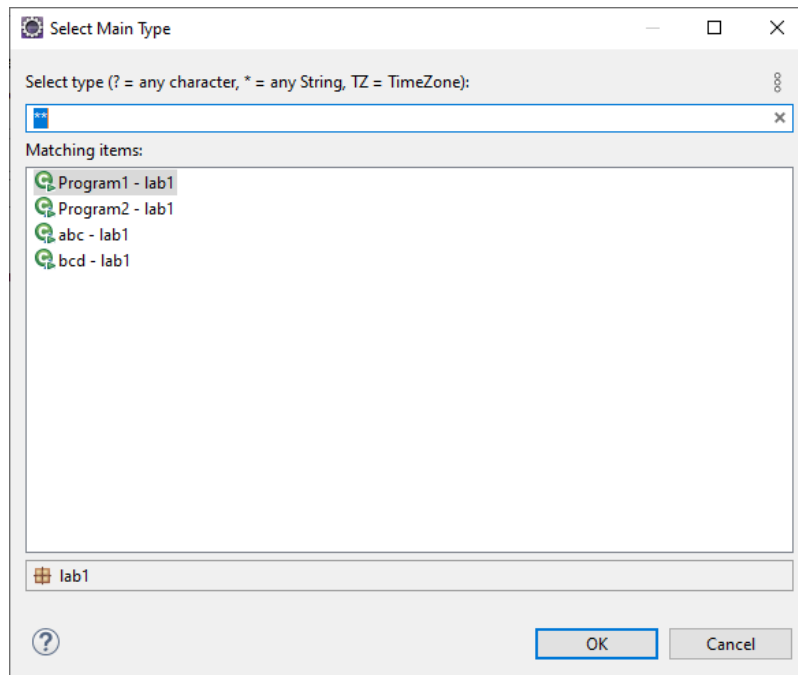
The screenshot shows the Eclipse IDE with a workspace named 'lab1'. The Package Explorer on the left shows a project 'lab1' containing a package 'src' and two classes: 'Program1' and 'Program2'. The main editor displays the code for 'Program2.java'. The code defines a package 'lab1' and a public class 'Program2' with a 'main' method. The 'main' method declares three variables 'a', 'b', and 'c', assigns values to them, and prints the sum of 'a' and 'b'. The Console at the bottom shows the output of the program: 'Sum of two numbers = 5'.

```
1 package lab1;
2
3 class Program2 {
4     public static void main(String[] args) {
5         int a,b,c; //this statement declares three variables a, b and c.
6         a=2;
7         b=3;
8         c=a+b;
9         System.out.println("Sum of two numbers = "+c);
10    }
11 }
12
```

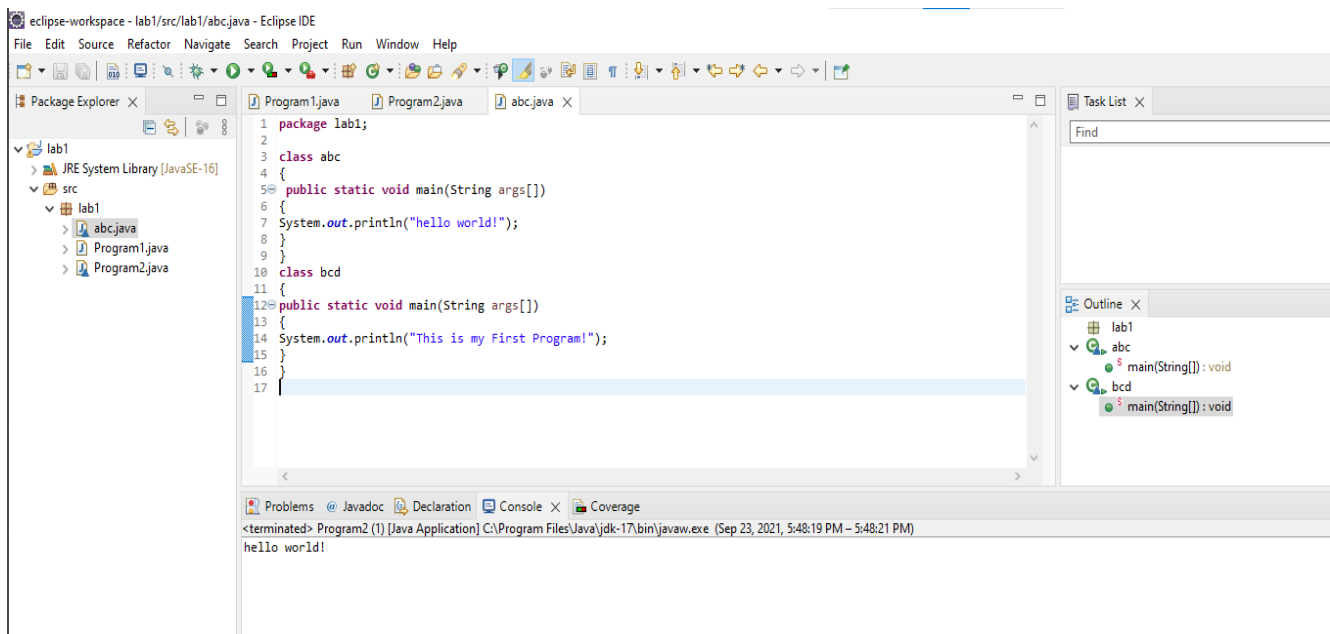
Console Output:

```
<terminated> Program2 (1) [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (Sep 23, 2021, 5:46:13 PM - 5:46:15 PM)
Sum of two numbers = 5
```

TASK-2



abc.java



bcd.java

