

**Name: Ananya Ghosh**

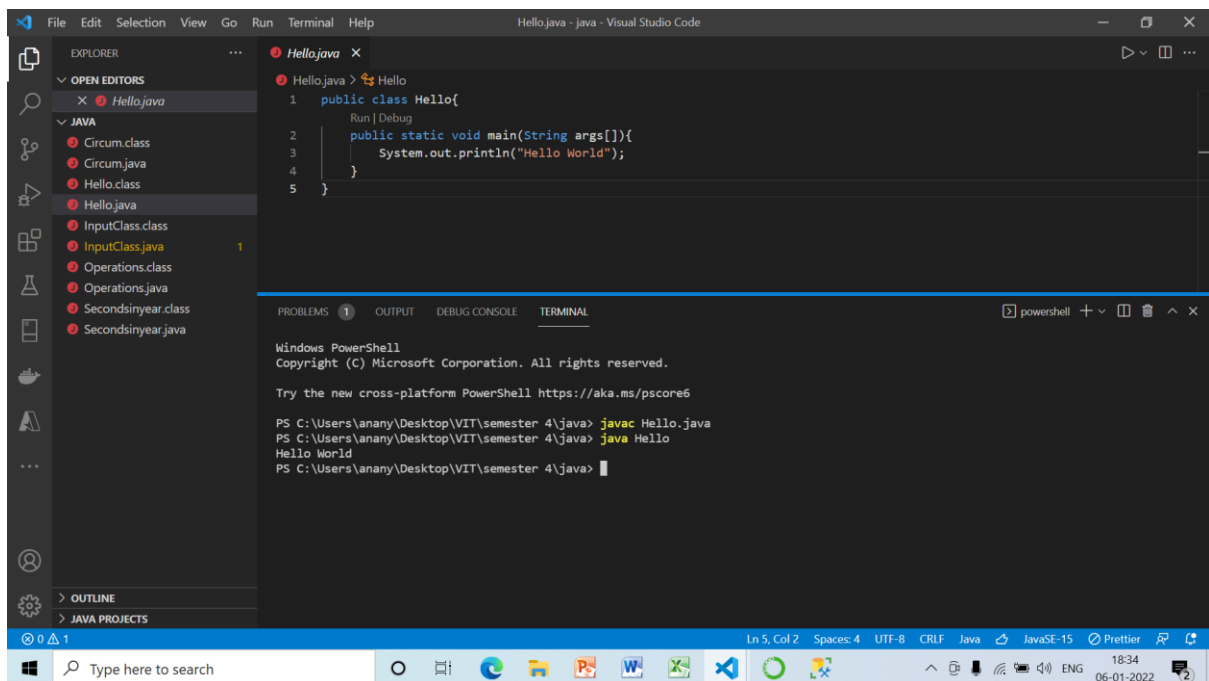
**Reg No.: 20MIC0063**

**Lab 1 : 6<sup>th</sup> January, 2021**

**Slot: L53+54**

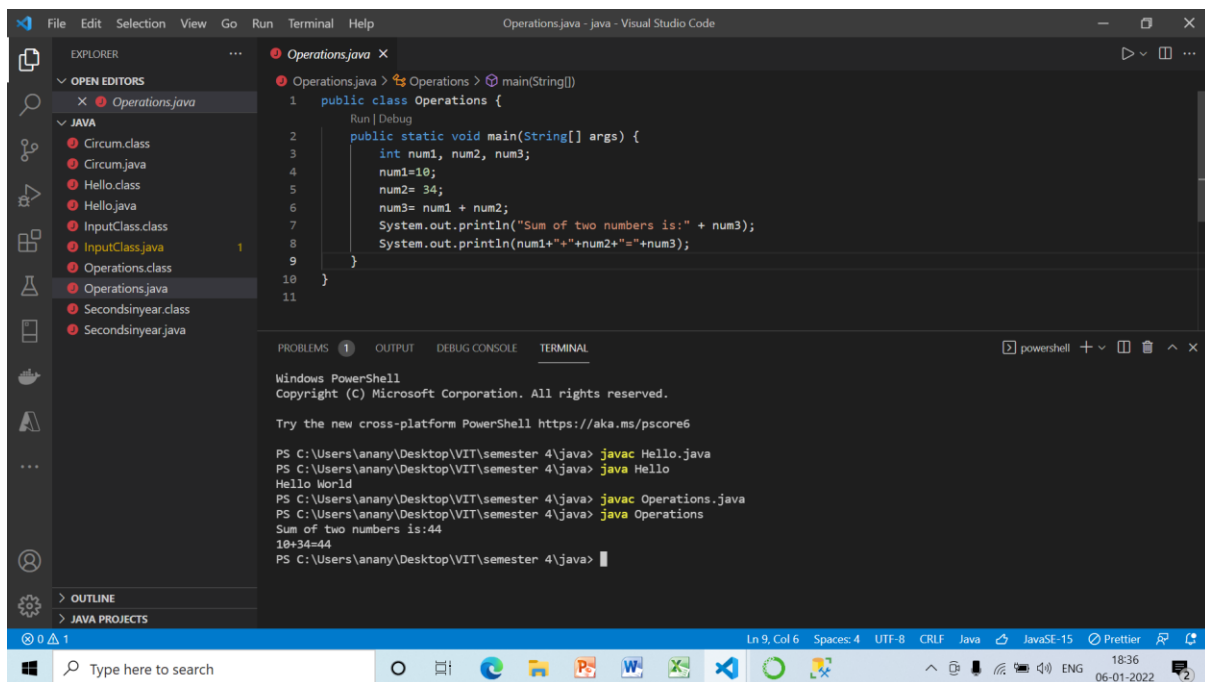
1.

```
public class Hello{  
  
    public static void main(String args[]){  
  
        System.out.println("Hello World");  
  
    }  
  
}
```



2.

```
public class Operations {  
  
    public static void main(String[] args) {  
  
        int num1, num2, num3;  
  
        num1=10;  
  
        num2= 34;  
  
        num3= num1 + num2;  
  
        System.out.println("Sum of two numbers is:" + num3);  
  
        System.out.println(num1+" "+num2+"="+num3);  
  
    }  
}
```



The screenshot shows the Visual Studio Code interface with the file 'Operations.java' open. The code in the editor matches the provided code block. The terminal at the bottom shows the execution of the program using the following commands and output:

```
PS C:\Users\anany\Desktop\VIT\semester 4\java> javac Hello.java  
PS C:\Users\anany\Desktop\VIT\semester 4\java> java Hello  
Hello World  
PS C:\Users\anany\Desktop\VIT\semester 4\java> javac Operations.java  
PS C:\Users\anany\Desktop\VIT\semester 4\java> java Operations  
Sum of two numbers is:44  
10+34=44  
PS C:\Users\anany\Desktop\VIT\semester 4\java>
```

3.

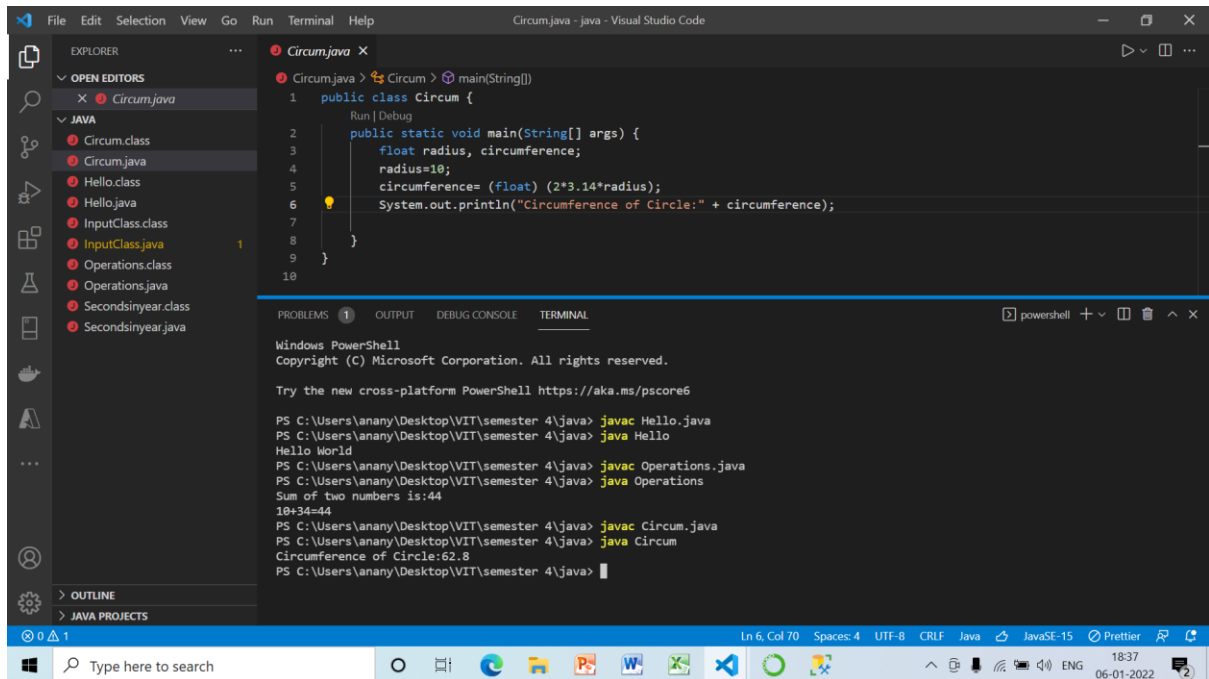
```
public class Circum {  
  
    public static void main(String[] args) {  
  
        float radius, circumference;  
  
        radius=10;
```

```
circumference= (float) (2*3.14*radius);
```

```
System.out.println("Circumference of Circle:" + circumference);
```

```
}
```

```
}
```



4.

```
public class Secondsinyear {
```

```
    public static void main(String[] args) {
```

```
        float days, hours, seconds, yearssec;
```

```
        days=(float) 365.2425;
```

```
        hours= 24;
```

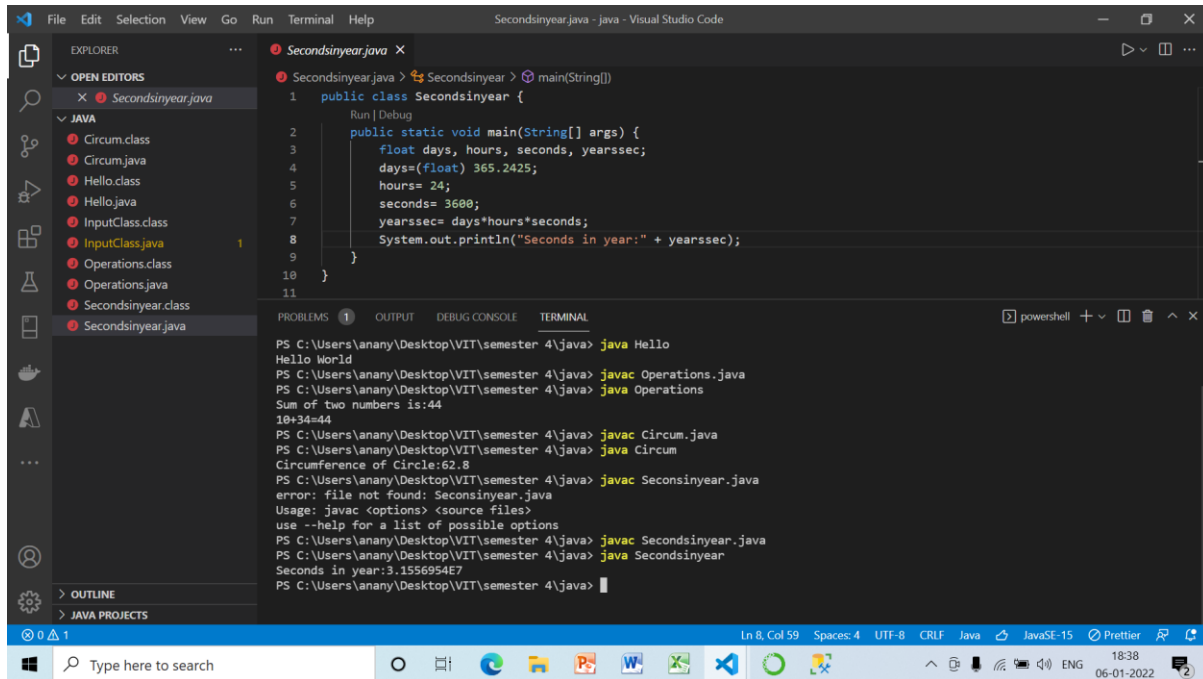
```
        seconds= 3600;
```

```
        yearssec= days*hours*seconds;
```

```

        System.out.println("Seconds in year:" + yearssec);
    }
}

```



5.

```
import java.util.Scanner;
```

```

public class InputClass {

    public static void main(String args[]){

        int a;

        Scanner inpObj = new Scanner(System.in);

        System.out.println("Enter a number: ");

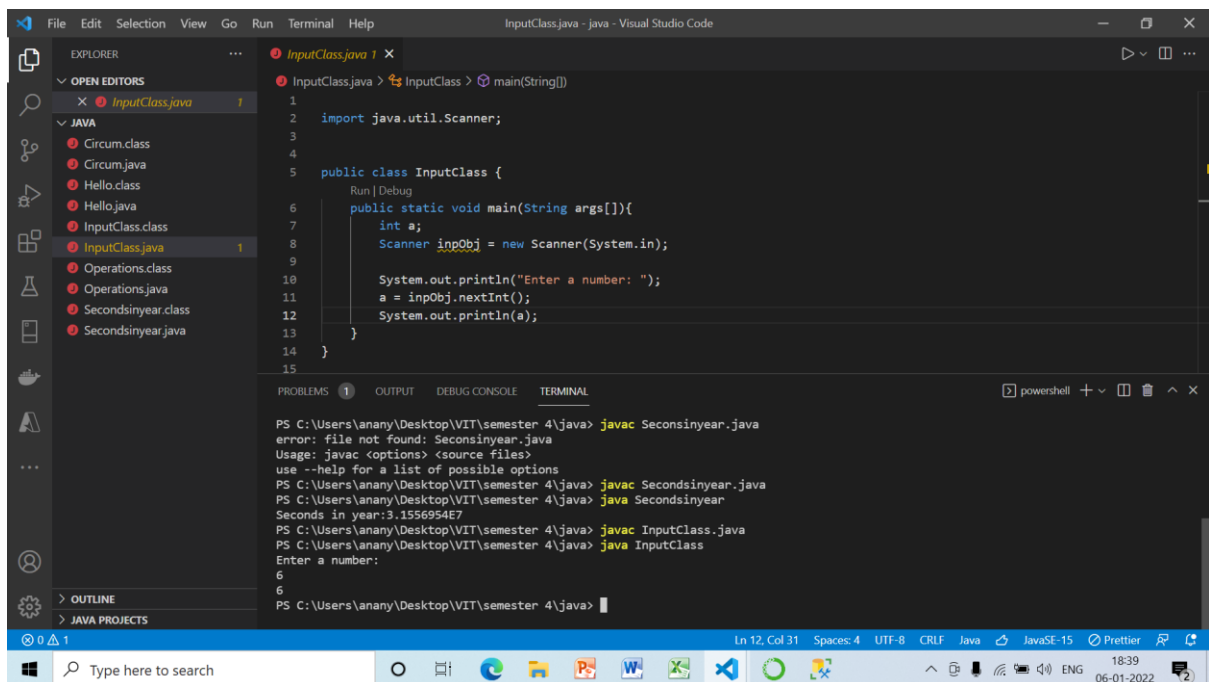
        a = inpObj.nextInt();

        System.out.println(a);

    }
}

```

}



6.

```
import java.util.Scanner;
```

```
public class AreaofCircle {
```

```
    public static void main(String[] args) {
```

```
        Scanner inpObj = new Scanner(System.in);
```

```
        float radius;
```

```
        double area;
```

```
        radius=inpObj.nextFloat();
```

```
        area = 3.14*radius*radius;
```

```
        System.out.println("Area of Circle:" + area);
```

```
char c = inpObj.next().charAt(0);
```

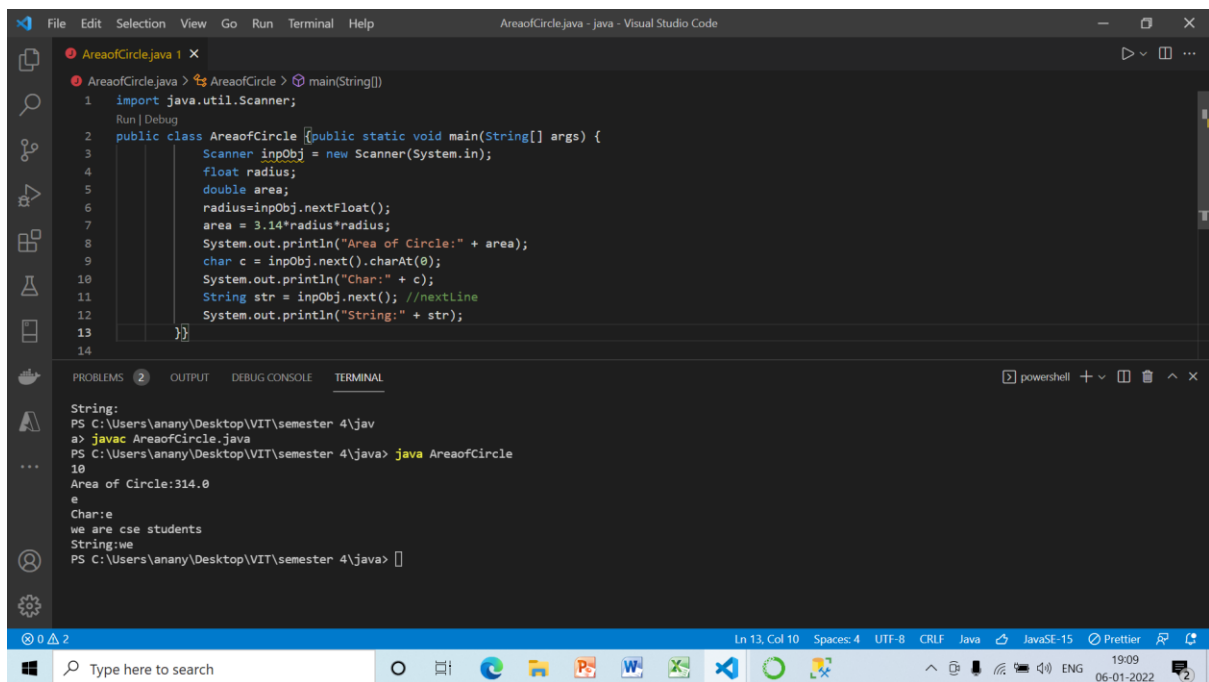
```
System.out.println("Char:" + c);
```

```
String str = inpObj.next(); //nextLine
```

```
System.out.println("String:" + str);
```

```
}
```

```
}
```



The screenshot displays the Visual Studio Code editor with a Java file named `AreaofCircle.java`. The code defines a class `AreaofCircle` with a `main` method that calculates the area of a circle and reads user input for radius, a character, and a string. The terminal window shows the compilation and execution of the program, with the following output:

```
String:
PS C:\Users\anany\Desktop\VIT\semester 4\jav
a> javac AreaofCircle.java
PS C:\Users\anany\Desktop\VIT\semester 4\java> java AreaofCircle
10
Area of Circle:314.0
e
Char:e
we are cse students
String:we
PS C:\Users\anany\Desktop\VIT\semester 4\java> |
```