Bangladesh University Of Business and Technology (BUBT)

Advanced Programming Lab
Course code: CSE 332
Lab Assignment 1

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Intake: 49

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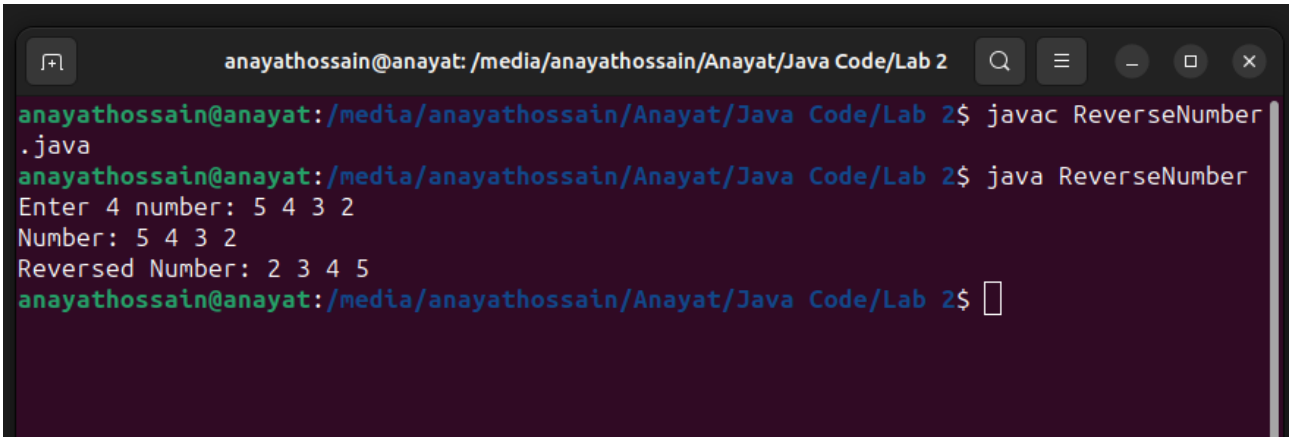
1. Write a java program to reverse a value without using array using Scanner method.

Code:

```
import java.util.Scanner;

public class ReverseNumber {

public static void main(String[] args) {

Scanner inp = new Scanner(System.in);

System.out.print("Enter 4 number: ");
int number1 = inp.nextInt();
int number2 = inp.nextInt();
int number3 = inp.nextInt();
int number4 = inp.nextInt();

System.out.println("Number: " + number1 +" "+ +number2 +" "+ +number3 +" "+ +number4);

System.out.println("Reversed Number: " +number4 +" "+ +number3 +" "+ +number2 +" "+ + number1);
}
}
```

Output:

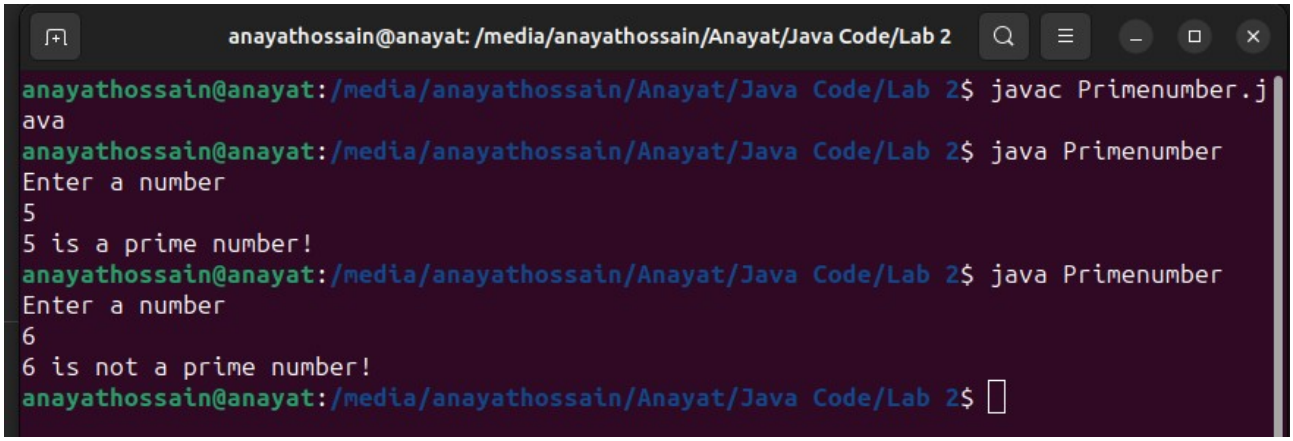


2. Write a java program to find a value prime or not using Scanner method.

Code:

```
import java.util.Scanner;

public class Primenumber {
public static void main(String args[]) {
Scanner ob = new Scanner(System.in);
System.out.println("Enter a number");
int n = ob.nextInt();
int i, m = 0, flag = 0;
;// it is the number to be checked
m = n / 2;
if (n == 0 || n == 1) {
System.out.println(n + " is not a prime number!");
} else {
for (i = 2; i <= m; i++) {
if (n % i == 0) {
System.out.println(n + " is not a prime number!");
flag = 1;
break;
}
}
if (flag == 0) {
System.out.println(n + " is a prime number!");
} } } }
```

Output:

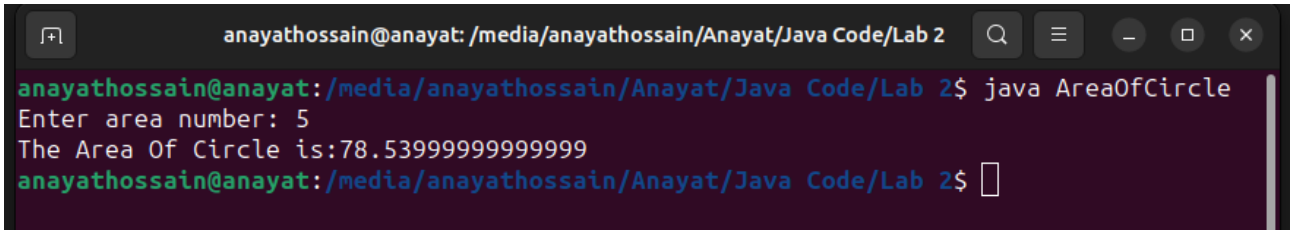


3. Write a Java program to find the area of a circle using Scanner method.

Code:

```
import java.util.Scanner;

class AreaOfCircle{
public static void main(String [] args)
{
Scanner inp = new Scanner(System.in);
System.out.print("Enter area number: ");
double r = inp.nextDouble();
double a= 3.1416*(r*r);
System.out.println("The Area Of Circle is:"+a);
}

}
```

Output:

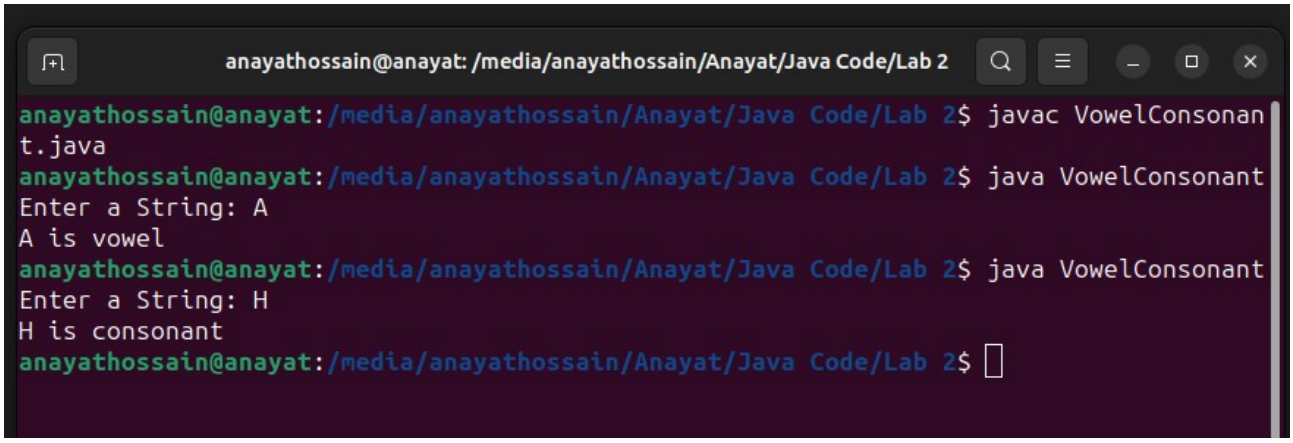


4. Write a Java program to find a letter Vowel or Consonant using Scanner method.

Code:

```
import java.util.Scanner;
public class VowelConsonant {

public static void main(String [] args){
Scanner inp = new Scanner(System.in);
System.out.print("Enter a String: ");
// String r = inp.nextLine();
char ch = inp.next().charAt(0);

if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' || ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' ||
ch == 'U' )
System.out.println(ch + " is vowel");
else
System.out.println(ch + " is consonant");

} }
```

Output:

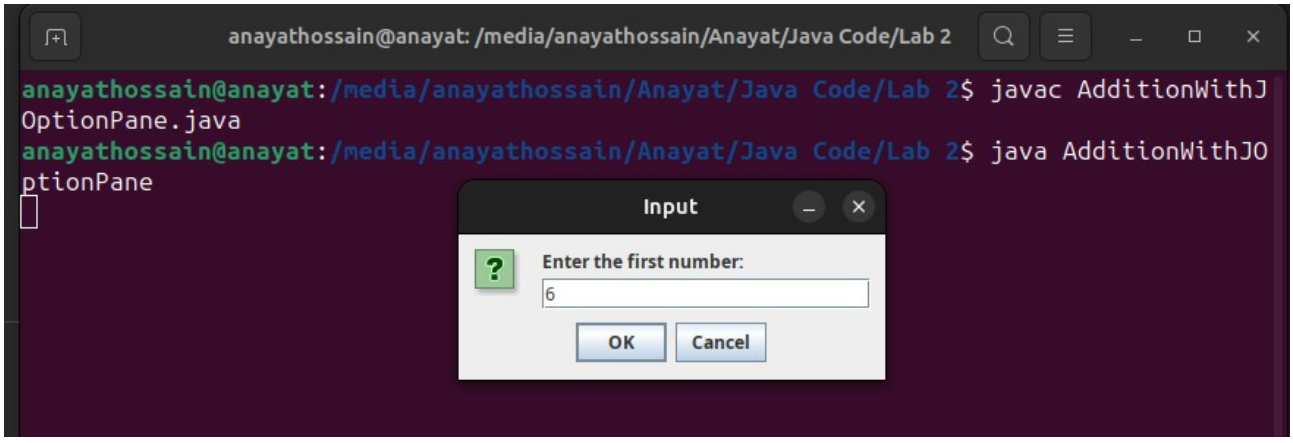


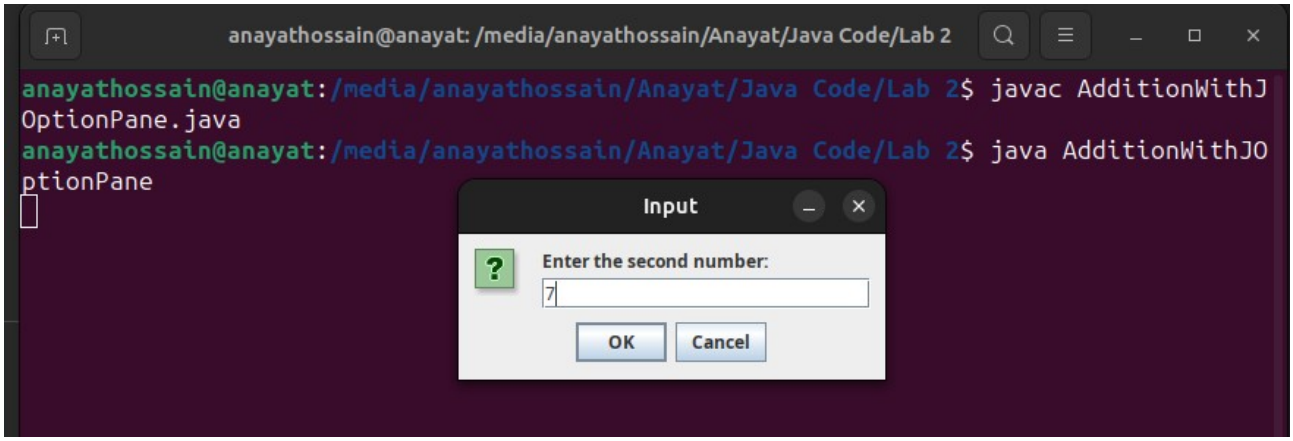
5. Write a Java program to find the addition of two number using JOptionPane class.

Code:

```
import javax.swing.JOptionPane;

public class AdditionWithJOptionPane {
public static void main(String[] args) {

String input1 = JOptionPane.showInputDialog("Enter the first number:");
double number1 = Double.parseDouble(input1);

String input2 = JOptionPane.showInputDialog("Enter the second number:");
double number2 = Double.parseDouble(input2);

double sum = number1 + number2;

JOptionPane.showMessageDialog(null, "The sum is: " + sum, "Result",
JOptionPane.INFORMATION_MESSAGE);
}
}
```

Outputs:




anayathossain@anayat: /media/anayathossain/Anayat/Java Code/Lab 2
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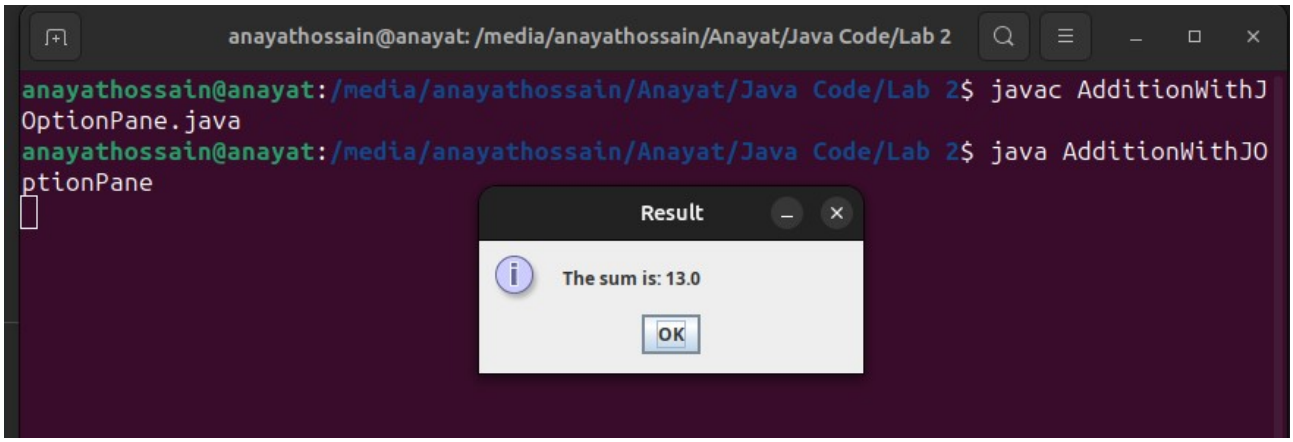
OptionPane.java
anayathossain@anayat:/media/anayathossain/Anayat/Java Code/Lab 2$ java AdditionWithJO
ptionPane
Input
Enter the second number:
7
OK
Cancel


anayathossain@anayat: /media/anayathossain/Anayat/Java Code/Lab 2
anayathossain@anayat:/media/anayathossain/Anayat/Java Code/Lab 2$ javac AdditionWithJ
OptionPane.java
anayathossain@anayat:/media/anayathossain/Anayat/Java Code/Lab 2$ java AdditionWithJO
ptionPane
Result
The sum is: 13.0
OK