# OBJECT ORIENTED PROGRAMMING LAB

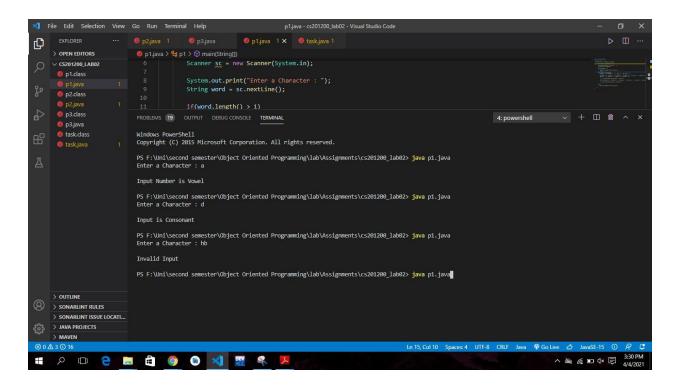
#### **PROGRAM NO 1:**

#### **SOURCE CODE:**

```
import java.util.Scanner;
public class p1 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a Character : ");
        String word = sc.nextLine();
        if(word.length() > 1)
            System.out.println("\nInvalid Input\n");
            return;
        char letter = word.charAt(0);
            if(letter >= 'a' && letter <= 'z' || letter >= 'A' && letter <= 'Z')</pre>
            if(letter == 'a' || letter == 'e' || letter == 'i' || letter == 'o' |
| letter == 'u' || letter == 'A' ||
            letter == 'E' || letter == 'I' || letter == '0' || letter == 'U')
                System.out.println("\nInput Number is Vowel\n");
            else if(!(letter == 'a' || letter == 'e' || letter == 'i' || letter =
= 'o' || letter == 'u' || letter == 'A' || letter == 'E' || letter == 'I' || lett
er == '0' || letter == 'U'))
                System.out.println("\nInput is Consonant\n");
        else {
```

```
System.out.println("\nInvalid Input\n");
}
}
```

# **OUTPUT:**

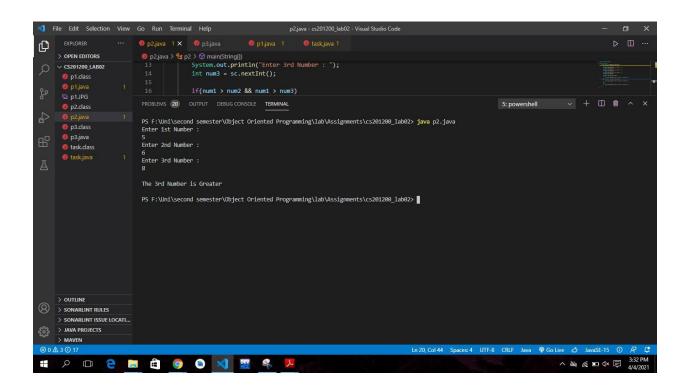


#### PROGRAM NO 2:-

## **SOURCE CODE:**

```
import java.util.Scanner;
public class p2 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter 1st Number : ");
        int num1 = sc.nextInt();
        System.out.println("Enter 2nd Number : ");
        int num2 = sc.nextInt();
        System.out.println("Enter 3rd Number : ");
        int num3 = sc.nextInt();
        if(num1 > num2 && num1 > num3)
            System.out.println("\nThe 1st Number is Greater\n");
        else if(num2 > num1 && num2 > num3)
            System.out.println("\nThe 2nd Number is Greater\n");
        else
            System.out.println("\nThe 3rd Number is Greater\n");
```

#### **OUTPUT:**



## PROGRAM NO 3:-

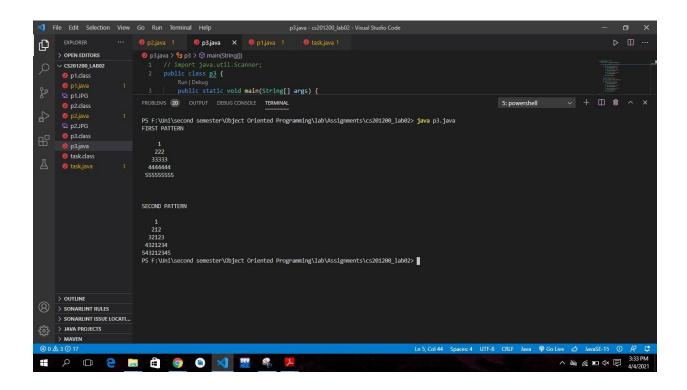
## **SOURCE CODE:**

```
public class p3 {
    public static void main(String[] args) {

        System.out.println("FIRST PATTERN\n");

        for (int i = 1; i <= 5; i++) {
            for (int j = 5; j >= i; j--) {
                 System.out.print(" ");
            }
            for (int k = 1; k <= i; k++) {</pre>
```

# **OUTPUT:**



## TASK:-

## **SOURCE CODE:**

```
case 1:
   System.out.println("\nJanuary " + year + " has 31 days\n");
   break;
case 2:
   if(year % 4 == 0)
       System.out.println("\nFebruary " + year + " has 29 days\n");
    }
   else
        System.out.println("\nFebruary " + year + " has 28 days\n");
   break;
case 3:
   System.out.println("\nMarch " + year + " has 31 days\n");
   break;
case 4:
   System.out.println("\nApril " + year + " has 30 days\n");
   break;
case 5:
   System.out.println("\nMay " + year + " has 31 days\n");
   break;
case 6:
   System.out.println("\nJune " + year + " has 30 days\n");
   break;
case 7:
   System.out.println("\nJuly " + year + " has 31 days\n");
   break;
case 8:
   System.out.println("\nAugust " + year + " has 31 days\n");
```

```
break;
case 9:
   System.out.println("\nSeptember " + year + " has 30 days\n");
   break;
case 10:
   System.out.println("\nOctober " + year + " has 31 days\n");
   break;
case 11:
   System.out.println("\nNovember " + year + " has 30 days\n");
   break;
case 12:
   System.out.println("\nDecember " + year + " has 31 days\n");
   break;
default :
   System.out.println("Enter Valid number!");
```

# **OUTPUT:**

