LE-SUCCESS TRAINING
DAY-2(TASK)

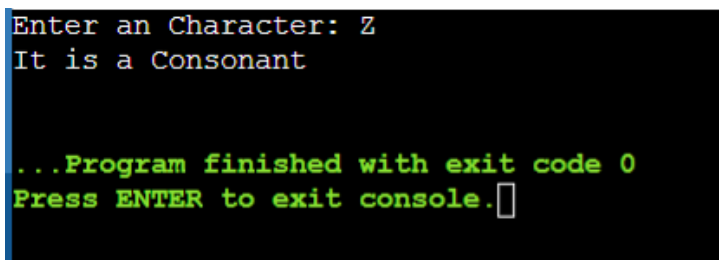**NAME : P.ANGEL**
REGISTER NO : 95192202007

PROGRAM-1

```java
import java.util.*;

public class Main
{
public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    System.out.print("Enter an Character: ");
    char a=sc.next().charAt(0);
    a = Character.toLowerCase(a);
    if(a=='a' || a=='e' || a=='i' || a=='o' ||a=='u')
     {
         System.out.println("It is an Vowel");
     }
     else
     {
       System.out.println("It is a Consonant");
     }

}
}
```

OUTPUT

```
Enter an Character: Z
It is a Consonant


...Program finished with exit code 0
Press ENTER to exit console.
```
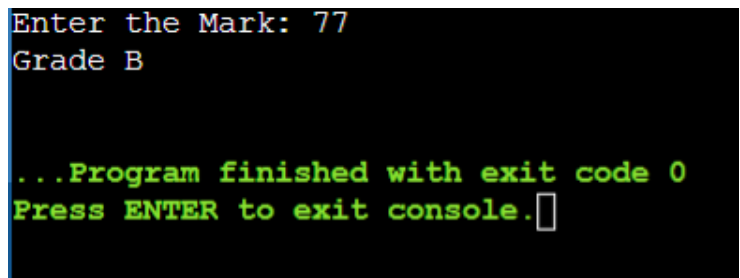
PROGRAM-2

```java
import java.util.*;

public class Main
{
public static void main(String[] args) {
   Scanner sc=new Scanner(System.in);
    System.out.print("Enter the Mark: ");
    int mark=sc.nextInt();

   if(mark>=90 && mark<=100)
    {
        System.out.println("Grade A");
    }
    else if(mark>=75 && mark<=89)
    {
      System.out.println("Grade B");
    }
     else if(mark>=60 && mark<=74)
    {
      System.out.println("Grade C");
    }
     else if(mark>=40 && mark<=59)
    {
      System.out.println("Grade D");
    }
     else
    {
      System.out.println("Fail");
    }

}
}
```

OUTPUT

```
Enter the Mark: 77
Grade B


...Program finished with exit code 0
Press ENTER to exit console.
```

PROGRAM-3

```java
import java.util.*;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.print("Principal: ");
        double p = sc.nextDouble();
        System.out.print("Rate : ");
        double r = sc.nextDouble();
        System.out.print("Time : ");
        double t = sc.nextDouble();
        System.out.println("Enter your Choice:\n1) Simple Interest\n2) Compound Interest");
        int choice = sc.nextInt();

        switch (choice) {
            case 1:
                System.out.println("Simple Interest:");
                double S_I = (p * r * t) / 100;
                System.out.println("Interest = " + S_I);
                break;
            case 2:
                System.out.println("Compound Interest:");
                double amount = p * Math.pow((1 + r / 100), t);
                double C_I = amount - p;
                System.out.println("Interest = " + C_I);
                break;
            default:
                System.out.println("Invalid Choice.");
        }
    }
}
```

OUTPUT

```
Principal: 10000
Rate: 5
Time: 2
Enter your Choice:
1) Simple Interest
2) Compound Interest
1
Simple Interest:
Interest = 1000.0


...Program finished with exit code 0
Press ENTER to exit console.
```

PROGRAM-4

```java
import java.util.*;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.print("Enter a number: ");
        int n = sc.nextInt();
        for (int i = 2; i <= n; i++) {
            int count = 0;
            for (int j = 1; j <= i; j++) {
                if (i % j == 0) {
                    count++;
                }
            }
            if (count == 2) {
                System.out.print(i + " ");
            }
        }

    }
}
```

OUTPUT

```
Enter a number: 100
2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97

...Program finished with exit code 0
Press ENTER to exit console.
```