

P5: Write a program that prompts the user to enter three integers and display the integers in decreasing order.

```
import java.util.Scanner;

public class Pract5 {

    public static void main(String[] args) {

        int i,j,arr[]={0,0,0};

        Scanner myobj = new Scanner(System.in);

        System.out.println("Enter 3 numbers ");

        for(i=0;i<3;i++)

            arr[i]= myobj.nextInt();

        for(i=0;i<3;i++)

            for(j=0;j<3-i-1;j++)

                if(arr[j]<arr[j+1])

                {

                    arr[j]=arr[j]+arr[j+1];

                    arr[j+1]=arr[j]-arr[j+1];

                    arr[j]=arr[j]-arr[j+1];

                }

        for(i=0;i<3;i++)

            System.out.print(arr[i]);

    }

}
```

P6: Write a program that prompts the user to enter a letter and check whether a letter is a vowel or constant.

```
import java.util.Scanner;

public class Pract6 {

    public static void main(String[] args) {

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

```

System.out.print("Please enter a character: ");
char ch = input.next().charAt(0);
switch(ch) {
    case 'a':
    case 'e':
    case 'i':
    case 'o':
    case 'u':
    case 'A':
    case 'E':
    case 'I':
    case 'O':
    case 'U':
        System.out.print("It is Vowel. ");
        break;
    default:
        System.out.print("It is constant ");
}
}
}

```

P7: Assume a vehicle plate number consists of three uppercase letters followed by four digits. Write a program to generate a plate number.

```

public class Pract7 {

    public static void main(String[] args) {

        String plateNumber = ""+(char)(Math.random()*26+65);
        plateNumber += (char)(Math.random()*26+65);
    }
}

```

```

        plateNumber += (char)(Math.random()*26+65);
        plateNumber += (int)(Math.random()*10);
        plateNumber += (int)(Math.random()*10);
        plateNumber += (int)(Math.random()*10);
        plateNumber += (int)(Math.random()*10);
        System.out.println(plateNumber);

    }

}

```

P8: Write a program that reads an integer and displays all its smallest factors in increasing order. For example if input number is 120, the output should be as follows:2,2,2,3,5.

```

import java.util.*;

public class Pract8 {

    public static void main(String[] args) {

        Scanner input=new Scanner(System.in);

        System.out.print("ENTER THE NUMBER ");

        int num=input.nextInt();

//        for(int i=2;i<=num;i++)
//        {
//            if(num%i==0)
//                System.out.print(i+",");
//        }

        for(int i=2;i<=num;)
        {
            if(num%i==0)
            {
                System.out.print(i+",");
            }
        }
    }
}

```

```
        num/=i;
    }
    else
    {
        i++;
    }
}
}
```