**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++;

}

}

}

}