Java Assignment No 1

Write a Java program to find entered number is Prime number or not

import java.util.Scanner;

class prime

{

    public static void main(String args[])

    {

        Scanner sc = new Scanner(System.in);

        System.out.println("Please enter number ");

        int num = sc.nextInt();

        //int num = 29;

        boolean flag = false;

        for(int i = 2; i <= num/2; ++i)

        {

            if(num % i == 0)

            {

                flag = true;

                break;

            }

        }

        if (!flag)

            System.out.println(num + " is a prime number.");

        else

            System.out.println(num + " is not a prime number.");

    }

}

Output:

PS H:\Practicals\MCA\SEM III\JAVA> javac prime.java

PS H:\Practicals\MCA\SEM III\JAVA> java prime

Please enter number

5

5 is a prime number.

Write a Java Program to find largest element amongst three numbers

import java.util.Scanner;

class large

{

    public static void main(String args[]) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Please First Number ");

        int a = sc.nextInt();

        System.out.println("Please Second Number ");

        int b = sc.nextInt();

        System.out.println("Please Third Number ");

        int c = sc.nextInt();

        int ans;

        if(a>b && a>c)

        {

            ans=a;

        }

        else if(b>c && b>a)

        {

            ans=b;

        }

        else

        {

            ans=c;

        }

        System.out.print("Largest Number is " + ans);

    }

}

Output:

PS H:\Practicals\MCA\SEM III\JAVA> javac large.java

PS H:\Practicals\MCA\SEM III\JAVA> java large

Please First Number

8

Please Second Number

2

Please Third Number

1

Largest Number is 8