/\*Write a program to read the First Name and Last Name of a person, his weight and height using

command line arguments. Calculate the BMI Index which is defined as the individual's body mass

divided by the square of their height. (Hint : BMI = Wts. In kgs / (ht)2) \*/

class BMI{

    public static void main(String args[]){

        String fname=args[0];

        String lname=args[1];

        double weight=Double.parseDouble(args[2]);

        double height=Double.parseDouble(args[3]);

        double temp=height;

        height=height/100;

        double BMI=weight/(height\*height);

       System.out.println("firstname \t lastname \t weight \t height");

        System.out.println(fname+"\t\t"+lname+"\t\t"+weight+"\t\t"+temp);

         System.out.println("Body mass index (BMI) is:"+BMI);

    }

}

/\*Write a program to display the Employee(Empid, Empname, Empdesignation, Empsal) information using toString().\*/

class employee{

    int Empid;

    String Empname;

    String Empdesignation;

    double Empsal;

    employee( int Empid,String Empname,String Empdesignation,double Empsal){

        this.Empid=Empid;

        this.Empname=Empname;

        this.Empdesignation=Empdesignation;

        this.Empsal=Empsal;

    }

    public String toString(){

        return Empid+"\t"+Empname+"\t"+Empdesignation+"\t\t\t"+Empsal;

    }

    public static void main(String args[]){

        employee emp=new employee(1,"Mr.patil","Manager",45000);

        System.out.println("empid \t Empname \t Empdestination \t Empsal");

        System.out.println(emp);

    }

}

/\*Write a package for Operation, which has two classes, Addition and Maximum. Addition has

two methods add () and subtract (), which are used to add two floategers and subtract two, float

values respectively. Maximum has a method max () to display the maximum of two floategers\*/

/\*package mathoperation;

public class Addition{ //class Addition

public float a;

public float b;

public void add(float a, float b){

    System.out.println( a+b);

}

public void subtract(float a, float b){

    System.out.println( a-b);

}

}

--------------------------------------------------------------

package mathoperation; //class Maximum

public class Maximum{

public float a;

public float b;

public void max(float a,float b ){

    if(a>b)

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

    else

    System.out.println(b+" is maximum number");

}

}

\*/

import mathoperation.Addition; //main program to use all class and methods

import mathoperation.Maximum;

class mathop{

    public static void main(String args[]){

        Addition addition=new Addition();

        Maximum maximum=new Maximum();

        addition.add(3,5);

        addition.subtract(5,2);

        maximum.max(9,6);

    }

}

/\*Write program to define class Person with data member as Personname,Aadharno, Panno.

Accept information for 5 objects and display appropriate information (use this keyword). \*/

class person{

    String Personname;

     long Aadharno;

    String Panno;

    person( String Personname,long Aadharno,String Panno){

        this.Personname=Personname;

        this.Aadharno=Aadharno;

        this.Panno=Panno;

    }

    void display(){

        System.out.println(Personname+"\t\t"+Aadharno+"\t\t"+Panno);

    }

    public static void main(String args[]){

        person obj1=new person("Nikita",324004409292L,"MGGPK1809R");

        person obj2=new person("Rutuja",324005609292L,"MGGPK1809R");

        person obj3=new person("Pallavi",535004409292L,"MGGPK1809R");

        person obj4=new person("Anuja",954004409292L,"MGGPK1809R");

        person obj5=new person("Anushka",324224409292L,"MGGPK1809R");

         System.out.println("personname\tAadharno\t\tPanno");

        obj1.display();

         obj2.display();

          obj3.display();

           obj4.display();

            obj5.display();

    }

}

/\*Write a Program to print all Prime numbers in an array of ‘n’ elements.

 (use command line arguments)\*/

 public class prime {

    public static void main(String[] args) {

      int[] numbers = new int[args.length];

        for (int i = 0; i < args.length; i++) {

           numbers[i] = Integer.parseInt(args[i]);

        }

        System.out.print("Prime numbers in the array: ");

        for (int num : numbers) {

            boolean isPrime = true;

            if (num <= 1) {

                isPrime = false;

            } else {

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

                    if (num % i == 0) {

                        isPrime = false;

                        break;

                    }

                }

            }

            if (isPrime) {

                System.out.print(num + " ");

            }

        }

    }

}