E1. Question:- : Find out the Fibonacci number

public static void main(String[] args) {

Scanner scan=new Scanner (System.in);

int a=scan.nextInt();

int b=scan.nextInt();

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

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

for (int i = 0; i < 10; i++) {

int c=a+b;

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

a=b;

b=c;

}

}

E2. Question:- : Find out the Factorial number from n values.

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

int a = scan.nextInt();

int i, fact = 1;

for (i = 1; i <= a; i++) {

fact = fact \* i;

}

System.out.print("The Factorial is: " + fact);

}

}

E3. Question:- : Find out the Prime number form n values

public static void main(String[] args) {

int num, n = 1, m = 0;

Scanner scan = new Scanner(System.in);

num = scan.nextInt();

while (num >= n) {

if (num % n == 0) {

m = m + 1;

}

n++;

}

if (m == 2) {

System.out.println("Prime ");

} else {

System.out.println("Not Prime");

}

}

E4.+E5. Question:- : Sort the Multidimensional Array

Question:- : Sort the Array in Reverse order.

public static void main(String[] args) {

int Arr[][] = {{7, 5, 2}, {8, 5, 9}, {5, 2, 7}};

int m = 0;

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

for (int j = 0; j < Arr[i].length; j++) {

for (int k = j + 1; k < Arr[i].length; k++) {

if (Arr[i][j] > Arr[i][k]) {

m = Arr[i][j];

Arr[i][j] = Arr[i][k];

Arr[i][k] = m;

}

}

System.out.print(" " + Arr[i][j]);

}

System.out.println("");

}

}

E6. Question:- : Find out the Max-Min number among n number of values

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

int num = scan.nextInt();

int Arr[] = new int[num];

int max = 0, min = 0;

for (int i = 1; i < num; i++) {

Arr[i] = scan.nextInt();

if (i == 0) {

max = Arr[i];

min = Arr[i];

} else if (Arr[i] > max) {

max = Arr[i];

} else if (Arr[i] < min) {

min = Arr[i];

} else {

continue;

}

}

System.out.println("The Maximum Number is: " + max);

System.out.println("The minimum Number is: " + min);

}

E8. Question:- : Find out the Odd-even number among n number of values.

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

int x = scan.nextInt();

if (x % 2 == 0) {

System.out.println("Even ");

} else {

System.out.println("Odd");

}

}

E9. Question:- : Find out the Conditional Sum until input 0(zero).

public static void main(String[] args) {

Scanner scan = new Scanner(System.in);

int m=0;

for (int i = 0;; i++) {

int a = scan.nextInt();

if(a>0){

m=m+a;

}else{System.out.println(""+m);

}

}

}

E10. Question:- : Calculate the number with Power.

public static void main(String[] args) {

int a=4;

int b=3;

System.out.println(Math.pow(a, b));

}

E11. Find out the Prime number form n values for exit -1.

public class PrimeExam {

public static void main(String[] args){

Scanner sc =new Scanner(System.in);

System.out.println("Enter Your number : ");

int v1=sc.nextInt();

while(v1!=-1){

int c=0;

for(int n=v1;n>=1;n--){

if(v1%n==0){

c++;

}

}

if (c>2){

System.out.println("It's not a prime number");

}

else{System.out.println("It's a prime number");}

System.out.print("Enter Your number for exit -1 :");

v1=sc.nextInt();

}

}

}

E12. **Find out 1 1 2 3 5 8 13 21 34 55 …?**

public static void main(String[] args) {

Scanner scan=new Scanner (System.in);

System.out.print("Enter your number : ");

int a=scan.nextInt();

System.out.print("Enter your number : ");

int b=scan.nextInt();

//System.out.print(" "+a);

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

for (int i = 0; i < 10; i++) {

int c=a+b;

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

a=b;

b=c;

}

}

E13. Create an Array which has five value and display it’s value and finally display it’s total.

public static void main(String []args) {

int[] a = {5,10,15,20,25,30,35};

for (int b : a) {

System.out.println("Array Element Value: " + b);

}

E14. **Retrieve Email address from a text field and validate whether “@” symbol available or not. & Retrieve password from a text field and validate whether it contains 7 characters or not?**

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public static void main(String args[]){

Scanner sc = new Scanner(System.in);

System.out.println("Write email here:");

String s = sc.nextLine();

Pattern p = Pattern.compile("^[a-zA-Z]+[a-zA-Z0-9\_.]+[@][a-zA-Z]+[.][a-zA-Z]{2,3}$");

Matcher m = p.matcher(s);

boolean b1 = m.matches();

if(b1){

System.out.println("\*\* Email address has matched! \*\*");

}else{

System.out.println("\*\* Email address doesn't match!\nExample: (abc\_cd23@yahoo.com). \*\*");

}

}