Java\_assignment\_programs

//==============================================================================

/\*Check whether a number is positive or negative or zero.

Sample Testcase :

INPUT

3

OUTPUT

Positive\*/

/\* import java.util.\*;

class Main{

public static void main(String[] args)

{

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

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

if (a>0){

System.out.println("Positive number");

}

else

if(a<0){

System.out.println("Negative number");

}

else{

System.out.println("zero");

}

}

} \*/

//==============================================================

/\*\*\*\*Check whether a number is even or odd.

If the input is not valid print invalid.

Sample Testcase :

INPUT

3

OUTPUT

Odd\*/

/\*import java.util.\*;

class Main{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

if (a%2==0){

System.out.println("the number is even");

} else{

System.out.println("the number is odd");

}

}}\*/

//==============================================================

/\*Check whether a character is vowel or consonant.

Print invalid if the input is invalid.

Sample Testcase :

INPUT

a

OUTPUT

Vowel \*/

/\*import java.util.\*;

class Main{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

char a=sc.next().charAt(0);

if (a=='a'||a=='e'|| a=='i'||a=='o'||a=='u'){

System.out.println("The character is vowel");}

else{

System.out.println("The character is consonant");

}

}

} \*/

//==============================================================================

/\*Check whether a character is an alphabet or not. (Print 'Alphabet' or 'No').

Sample Testcase :

INPUT

a

OUTPUT

Alphabet \*/

/\*import java.util.\*;

class Main{

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

char a=sc.next().charAt(0);

if (Character.isLetter(a)){

System.out.println("Alphabet");}

else{

System.out.println("no");}

}

} \*/

//==============================================================================

/\*Find the largest number among three numbers entered by user.

Sample Testcase :

INPUT

1 2 3

OUTPUT

3 \*/

/\*

import java.util.\*;

class Main{

public static void main(String[] args)

{

Scanner s = new Scanner(System.in);

int x = s.nextInt();

int y = s.nextInt();

int z = s.nextInt();

if(x > y && x > z)

{

System.out.println(x);

}

else if(y > z)

{

System.out.println(y);

}

else

{

System.out.println(z);

}

}

} \*/

//==============================================================================

/\*Check whether the year is a leap year or not.

Sample Testcase :

INPUT

2016

OUTPUT

yes \*/

/\*

import java.util.\*;

class Main{

public static void main(String[] args)

{

Scanner s = new Scanner(System.in);

int year = s.nextInt();

if (year%4==0){

System.out.println("yes");

}

else{

System.out.println("no");

}

}} \*/

/\* class Main

{

public static void main(String args[]){

int x = 21;

do

{

System.out.println("Value of x:" + x);

x++;}

while (x < 20);} } \*/

/\*class Main

{

public static void main(String args[]){

for(int i=100;i<=200;i=i+5){

if (i%5==0){

System.out.println(i+"\n");

}

}

}

} \*/

/\* public class Main {

public static void main(String[] args) {

int weeks=3;

int days=7;

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

System.out.println("week"+i);

for(int j=1;j<days;j++){

System.out.println("days"+j);

}}

}

} \*/

//==============================================================================

/\* import java.util.\*;

public class Main {

public static void main(String[] args) {

System.out.println("\nenter your mark");

Scanner sc=new Scanner(System.in);

int mark=sc.nextInt();

if (mark<50){

System.out.println("fail");

}

else if(mark<60 && mark>=50){

System.out.println("D grade");

}

else if(mark<70 && mark>=60){

System.out.println("C grade");

}

else if(mark<80 && mark>=70){

System.out.println("A grade");

}

else if(mark<90 && mark>=80){

System.out.println("A grade");

}

else if(mark<=100 && mark>=90){

System.out.println("A+ grade");

}

}}

\*/

//===========================================================

/\*

import java.util.\*;

public class Main {

public static void main(String[] args) {

System.out.println("Enter a number\n");

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

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

System.out.println("Hello\n");

}}

}

\*/

//===========================================================

/\*import java.util.\*;

public class Main {

public static void main(String[] args){

System.out.println("Enter a number\n");

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int i=1;

int sum=0;

while(i<=a){

sum=sum+i;

i++;

}

System.out.println(sum);

}

}

\*/

//===========================================================

import java.util.\*;

public class Main {

public static void main(String[] args){

System.out.println("\nEnter 2 numbers");

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int b=sc.nextInt();

System.out.println("\nEnter array of numbers");

int[] z=new int[20];

int sum=0;

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

sum=sum+z[i];

}

System.out.println(sum);

}}

///================================================================

import java.util.Scanner;

public class Main

{

public static void main(String[] args)

{

System.out.println("\nEnter the length of elements and number of elements to add");

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int b=sc.nextInt();

int[] arr = new int[10];

System.out.print("Enter the array of numbers");

for(int i=0; i<a; i++)

{

arr[i]=sc.nextInt();

}

int sum=0;

for(int j=0;j<b;j++)

{

sum=sum+arr[j];

}

System.out.println(sum);

}

}