**C & S-1**

**Question 1:**

Report

**Marks: +10-0**

**Description:**

Write a program to find sum of all the numbers in given range if starting index is greater than ending index print**INVALID RANGE**

**Constraints:**

**Input :**First line of input contains integer n represent strating range

                           Second line of inputs contains integer n1 represent ending range

**Output :**Print sum of numbers

**Example:**

**Input :**10

                      20

**Output :**165

**Explanation:**

print sum of all numbers in given range

**Your Code: java**

import java.util.Scanner;

class Sum{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int start=sc.nextInt();

int end=sc.nextInt();

if(start > end){

System.out.println("INVALID RANGE");

}

else{

int sum=0;

for(int i=start;i<=end;i++){

sum += i;

}

System.out.println(sum);

}

}

}

**Question 2:**

Report

**Marks: +10-0**

**Description:**

write a program to perform all these tasks

a.     Store a number in a variable

b.    If value is not in range (100-1000) prints **WRONG NUMBER** else follows the steps

c.     Check even or odd

d.    If even divide the number by 3 and print the remainder

e.     If odd divide the number by 2 and print the remainder.

**Constraints:**

**Input :**First line of input contains an Integer n reperesent number

**Example:**

**Input :**498

**Output :**0

**Explanation:**

in the above example number is in range of 100-1000 and it is even we are dividing with 3 and printing remainder 0

**Your Code: java**

import java.util.Scanner;

class Casestudy2{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int i=sc.nextInt();

if(i<100 || i>1000){

System.out.println("WRONG NUMBER");

}

else{

if(i % 2==0){

System.out.println(" "+(i%3));

}

else{

System.out.println(" "+(i%2));

}

}

}

}

**Question 3:**

Report

**Marks: +10-0**

**Description:**

write a progrm to perform given tasks

Declare & initialize a number.

Check whether the number is in range 0-100 or not.

If not in range print INVALID INPUT

Else – if the number is in range 91-100 then print **SUPER SMART**,

81-90 print **SMART**,

71-80 print **SMART ENOUGH**,

61-70 print **JUST SMART**,

36-60 print **NO SMART**,

0-35 print **DUMB**.

**Constraints:**

**Input :**First line of input contains an Integer n reperesent number

**Output :**Print their status

**Example:**

**Input :**62

**Output :**JUST SMART

**Explanation:**

here the input is in 61-70 range so you have to print JUST SMART

**Your Code: java**

import java.util.Scanner;

class Casestudy2{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int num=sc.nextInt();

if(num<0 || num>100){

System.out.println("INVALID INPUT");

}

else if(num>90){

System.out.println("SUPER SMART");

}

else if(num>80) {

System.out.println("SMART");

}

else if(num>70){

System.out.println("SMART ENOUGH");

}

else if(num>=36 && num<=60){

System.out.println("NO SMART");

}

else{

System.out.println("DUMB");

}

}

}

**Question 3:**

Report

**Marks: +10-0**

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write a progrm to perform given tasks

Declare & initialize a number.

Check whether the number is in range 0-100 or not.

If not in range print INVALID INPUT

Else – if the number is in range 91-100 then print **SUPER SMART**,

81-90 print **SMART**,

71-80 print **SMART ENOUGH**,

61-70 print **JUST SMART**,

36-60 print **NO SMART**,

0-35 print **DUMB**.

**Constraints:**

**Input :**First line of input contains an Integer n reperesent number

**Output :**Print their status

**Example:**

**Input :**62

**Output :**JUST SMART

**Explanation:**

here the input is in 61-70 range so you have to print JUST SMART

**Your Code: java**

import java.util.Scanner;

class Casestudy2{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int num=sc.nextInt();

if(num<0 || num>100){

System.out.println("INVALID INPUT");

}

else if(num>90){

System.out.println("SUPER SMART");

}

else if(num>80) {

System.out.println("SMART");

}

else if(num>70){

System.out.println("SMART ENOUGH");

}

else if(num>=36 && num<=60){

System.out.println("NO SMART");

}

else{

System.out.println("DUMB");

}

}

}

**Question 4:**

Report

**Marks: +10-0**

**Description:**

Write a program to convert temperature from degree celcisu (C) to Farenheit (F).

**Constraints:**

**Input           :**First line of input contains Integer 'n' represents temperature in celcius

**Output         :**Temperature in farenheit

**Example:**

**Input     :**96

**Output  :**204.8F

**Explanation:**

In the above example input is 96,now you have to convert it into farenheit

if we convert the value of 96 to farenheit we will get 204.8

note:  **f=(c\*9/5)+32**

**Your Code: java**

import java.util.Scanner;

class Celsius{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

float n=sc.nextFloat();

float f=(n\*9/5)+32;

System.out.println(f+"F");

}

}

**Question 5:**

Report

**Marks: +10-0**

**Description:**

write a program to convert kg values into gram values?

**Constraints:**

**Input :**First line of input contains a decimal value represent weight in kgs

**Output :**        Print weight in grams

**Example:**

**Input :**5.6

**Output :**5600 Grams

**Explanation:**

in the above example we have to convert the 5.6kg to grams so you have to print 5600Grams.

**Your Code: java**

import java.util.Scanner;

public class kgGram{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

double kg=sc.nextDouble();

int grams=(int)(kg\*1000);

System.out.println(grams+" Grams");

}

}

**Question 6:**

Report

**Marks: +10-0**

**Description:**

 Write a program to print all even numbers in range .if starting range is greater than ending range print "**INVALID RANGE**"

**Constraints:**

**Input :**First line of input contains an Integer n represents starting range

                          Second line of input contains an Integer n1 represents ending range

**Output :**Print All the Even Numbers in a Given Range.

**Example:**

**Input :**1 10

**output :**2 4 6 8 10

**Explanation:**

In the above example we have to print all the even numbers in the range of 1 to 10 with spaces

**Your Code: java**

import java.util.Scanner;

class Even{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int b=sc.nextInt();

if(a>b){

System.out.println("INVALID RANGE");

}

else{

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

if(i % 2 ==0){

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

}

}

}

}

}

**Question 7:**

Report

**Marks: +10-0**

**Description:**

Write a program to print **CVCORP** for 'N' times

**Constraints:**

**Input :**One Integer Value Consists in First Line of Input.

**Output :**Print **CVCORP** for 'N' Times.

**Constraints :**10<N<100

**Example:**

**Input 1 :**11

**Output 1 :**

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

CVCORP

**Input 2 :**111

**Output 2 :**   **Invalid Input**

**Explanation:**

NA

**Your Code: java**

import java.util.Scanner;

class Cvcorp{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int n=sc.nextInt();

if(n<10 || n>100){

System.out.println("Invalid Input");

}else{

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

System.out.println("CVCORP");

}

}

}

}

**C & S-1**

**Time Spent: 3 hours, 8 Mins, 32 Sec**

Sections:C & S-1

**Question 8:**

Report

**Marks: +10-0**

**Description:**

Write a Program to Print the Biggest Number out of the Given three Numbers?

**Constraints:**

**Input      :**Three integer values.

**Output   :**Print the Biggest Number from the Given Numbers.

**Example:**

**Input 1     :**25 69 819

**Output 1  :**819 is a Biggest Number from the Given Numbers

**Input 2     :**100 222 212

**Output 2  :**222 is a Biggest Number from the Given Numbers

**Input 3    :**999 565  729

**Output 3 :**999 is a Biggest Number from the Given Numbers

**Explanation:**

NA

**Your Code: java**

import java.util.Scanner;

public class Big

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int b=sc.nextInt();

int c=sc.nextInt();

if(a>=b && a>=c){

System.out.println(a+" is a Biggest Number from the Given Numbers");

}

else if(b>=a && b>=c){

System.out.println(b+" is a Biggest Number from the Given Numbers");

}

else{

System.out.println(c+" is a Biggest Number from the Given Numbers");

}

}

}

**Question 9:**

Report

**Marks: +10-0**

**Description:**

Write a program to perform Addition, Subtraction, Multiplication and Division of 2 Numbers based on the user inputs by using Switch condition.(+ , - , \* , /, %).

**Constraints:**

**Input :**First line of input contains an Integer

                          Second line of input contains an Integer

                          Third line of Input Consists of Operator

**Output :**Print Respective Output.

**Constraints :**Operators Must accept only one of this Operators( +, -, \*, /, % ) only.

**Example:**

**Input  :**30

                 10

                 +

**Output :**40

**Explanation:**

NA

**Your Code: java**

import java.util.Scanner;

class Calculator{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int num1=sc.nextInt();

int num2=sc.nextInt();

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

int result;

switch(operator){

case '+':

result=num1+num2;

System.out.println(result);

break;

case '-':

result=num1-num2;

System.out.println(result);

break;

case '\*':

result=num1\*num2;

System.out.println(result);

break;

case '%':

result=num1 % num2;

System.out.println(result);

break;

case '/':

if(num2!=0){

result=num1/num2;

System.out.println(result);

}

else{

System.out.println("Cannot divide by 0");

}break;

default :{

System.out.println("Invalid operators");

}

}

}

}

**Question 10:**

Report

**Marks: +10-0**

**Description:**

Write a program to print all numbers which are divisible by 11 in given range if no such numbers print **NO NUMBERS** if starting range is greater than ending range then print **INVALID RANGE**

**Constraints:**

**Input :**First line of input contains an Integer n reperesent starting range

                       Second line of input contains an Integer n1 reperesent ending range

**output :**all numbers which are divided by 11 in range

**Example:**

**Input :**30 100

**Output :**33 44 55 66 77 88 99

**Explanation:**

in the above example you have to print all 11 divisiors in range of 30 and 100

**Your Code: java**

import java.util.Scanner;

public class Divisibility{

static Scanner sc=new Scanner(System.in);

public static void main(String[] args){

int a=sc.nextInt();

int b=sc.nextInt();

if(a>b){

System.out.println("INVALID RANGE");

}

else{

int c=0;

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

if(i % 11 == 0){

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

c++;

}

}

if(c==0){

System.out.println("NO NUMBERS");

}

}

}

}