**IUlogo**

FACULTY OF ENGINEERING, SCIENCE & TECHNOLOGY

# QUESTION NO 01:

Write shell script for:

Given two integers, X  and Y , find their sum, difference, product, and quotient.

**Input Format**

Two lines containing one integer each (X and Y respectively).

**Constraints**

**-100 < X,Y< 100**

**Y != 0**

**Output Format**

Four lines containing the sum (X+Y), difference (X-Y), product (X \* Y), and quotient (X/Y), respectively.  
(While computing the quotient, print only the integer part.)

## Answer

#!/bin/bash

echo "Enter First number"

read a

echo "Enter Second Month"

read b

adda=$((a+b))

suba=$((a-b))

mula=$((a\*b))

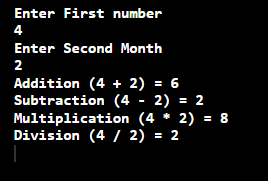
diva=$((a/b))

echo "Addition ($a + $b) = $adda"

echo "Subtraction ($a - $b) = $suba"

echo "Multiplication ($a \* $b) = $mula"

echo "Division ($a / $b) = $diva"



# QUESTION NO 02

Your task is to use for loops to display only odd natural numbers from 1 till users choice

## Answer

# QUESTION NO 03

Given three integers (X,Y , andZ ) representing the three sides of a triangle, identify whether the triangle is scalene, isosceles, or equilateral.

* If all three sides are equal, output EQUILATERAL.
* Otherwise, if any two sides are equal, output ISOSCELES.
* Otherwise, output SCALENE.

**Input Format**

Three integers, each on a new line.

**Constraints**

1 < X,Y,Z < 1000  
The sum of any two sides will be greater than the third.

**Output Format**

One word: either "SCALENE" or "EQUILATERAL" or "ISOSCELES" (quotation marks excluded).

## Answer

# QUESTION NO 04

How to make variables as unchangeable?

## Answer

We make a variable unchangeable by making it read-only.

# QUESTION NO 05

How variables can be wiped out?

## Answer

By un-setting the variable.

# QUESTION NO 06

Explain about file permissions.

## Answer

# QUESTION NO 07

How to find out the number of arguments passed to the script?

## Answer

# QUESTION 08

Write a shell script which takes your date year and tells your age

## Answer

#!/bin/bash

echo "Enter Birth Date"

read b\_d

echo "Enter Birth Month"

read b\_m

echo "Enter Birth Year"

read b\_y

echo "Enter Current Date"

read c\_d

echo "Enter Current Month"

read c\_m

echo "Enter Current Year"

read c\_y

age\_c=$((c\_y - b\_y))

echo "Your D.O.B. is $b\_d . $b\_m . $b\_y"

echo "Your age is at date: $c\_d . $c\_m . $c\_y is :$age\_c years"

