

Question # 2

Start

INPUT "Enter first num", Num1

INPUT "Enter second num", Num2

Flag ← FALSE
 WHILE Flag == FALSE do
 Temp ← Num1

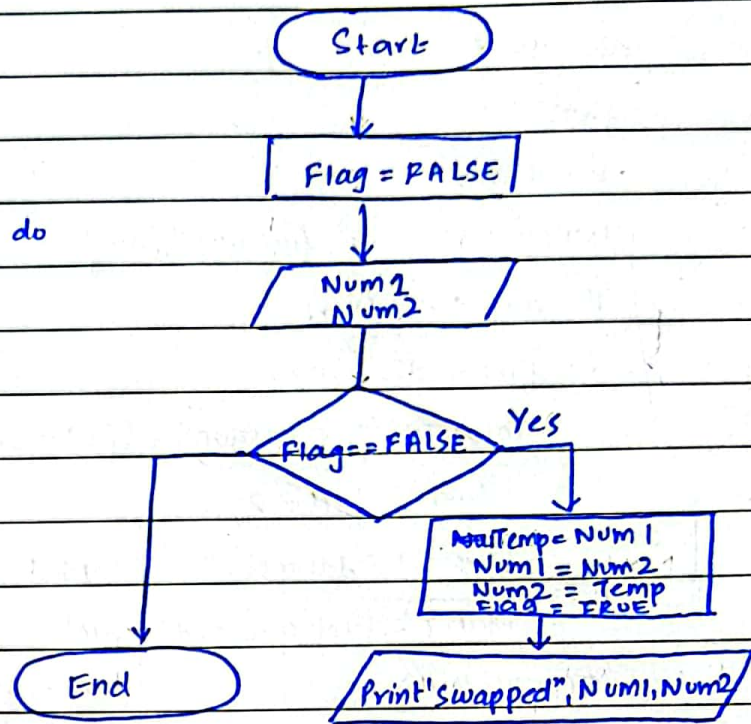
Num1 ← Num2

Num2 ← Temp

Flag ← TRUE

PRINT "Swapped", Num1, Num2

END



Question # 3

START

INPUT "Enter tax rate", TaxRate

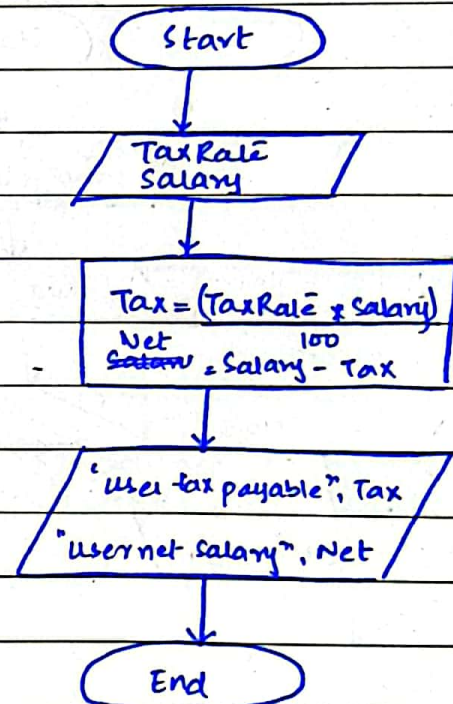
INPUT "Enter your salary", Salary

 $Tax = (TaxRate \times Salary) / 100$ $Net\ Salary = Salary - Tax$

PRINT "User's tax payable", Tax

PRINT "User net salary", Net

END



Question # 1 Done along with codes.

Start

 $dis = 1207$ $f\text{-rate} = 118$ $b\text{-rate} = 123$

INPUT "Enter car fuel avg", avg

IF avg > 0 THEN

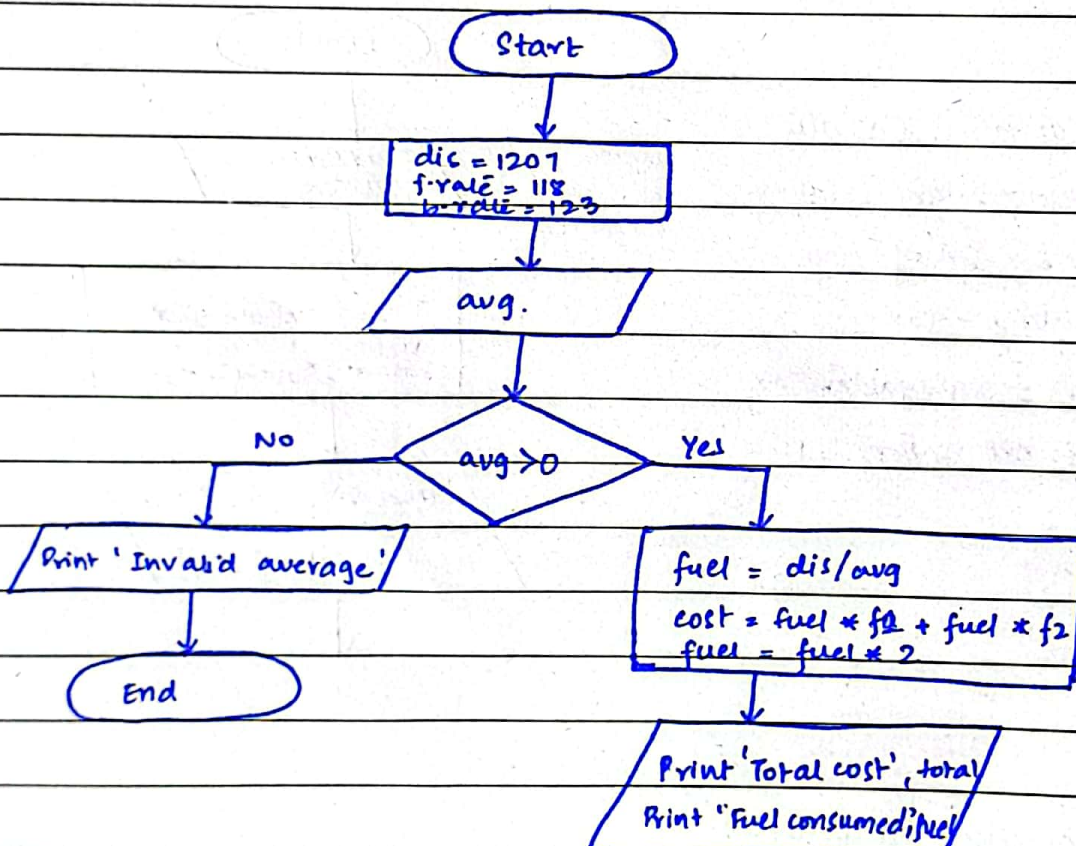
 $fuel = dis / avg$ $Totalcost = (fuel \times f\text{-rate}) + (fuel \times b\text{-rate})$ $fuel = fuel \times 2$

PRINT "Total cost:", Totalcost

PRINT "Fuel consumed", fuel

ELSE

PRINT "Invalid fuel average"



Question # 5

START

INPUT "Enter principal amount between 100 to 10,00,000 Rs" , amount

INPUT "Enter rate of interest between 5% to 10% " , rate

INPUT "Enter the time between 1 to 10 years" , years

interest = (amount * rate * year) / 100

PRINT "Your simple interest is " , interest

END

Question # 6

START

 ~~$x_1 = 5, x_2 = 3, y_1 = 4, y_2 = 2$ // assign the values to variable~~~~slope =~~

START

DECLARE x_1, y_1, x_2, y_2 AS INTEGER $x_1 = 5$ $x_2 = 3$ $y_1 = 4$ $y_2 = 2$ slope = $(y_2 - y_1) / (x_2 - x_1)$

PRINT "The slope is " , slope

END

