**Logo

Description automatically generated**

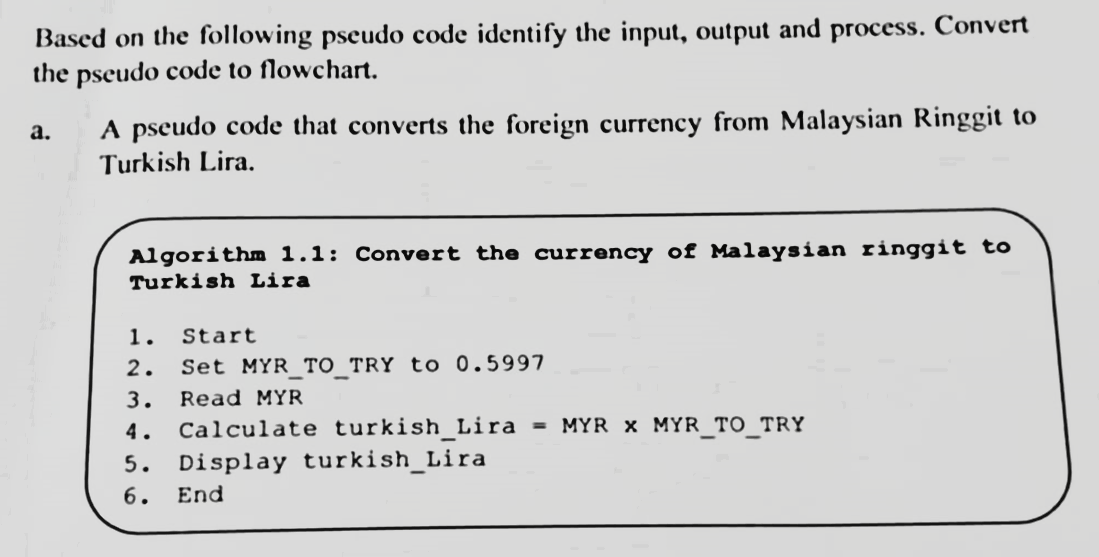
**Lab Exercise 1**

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**Matric No:A20EC0228**

**Section: 08**

1.



Input

MYR

Process

1. Set MYR\_TO\_TRY= 0.5997
2. Calculate turkish\_Lira = MYR × MYR\_TO\_TRY

Output

turkish\_Lira

Start

End

Read MYR

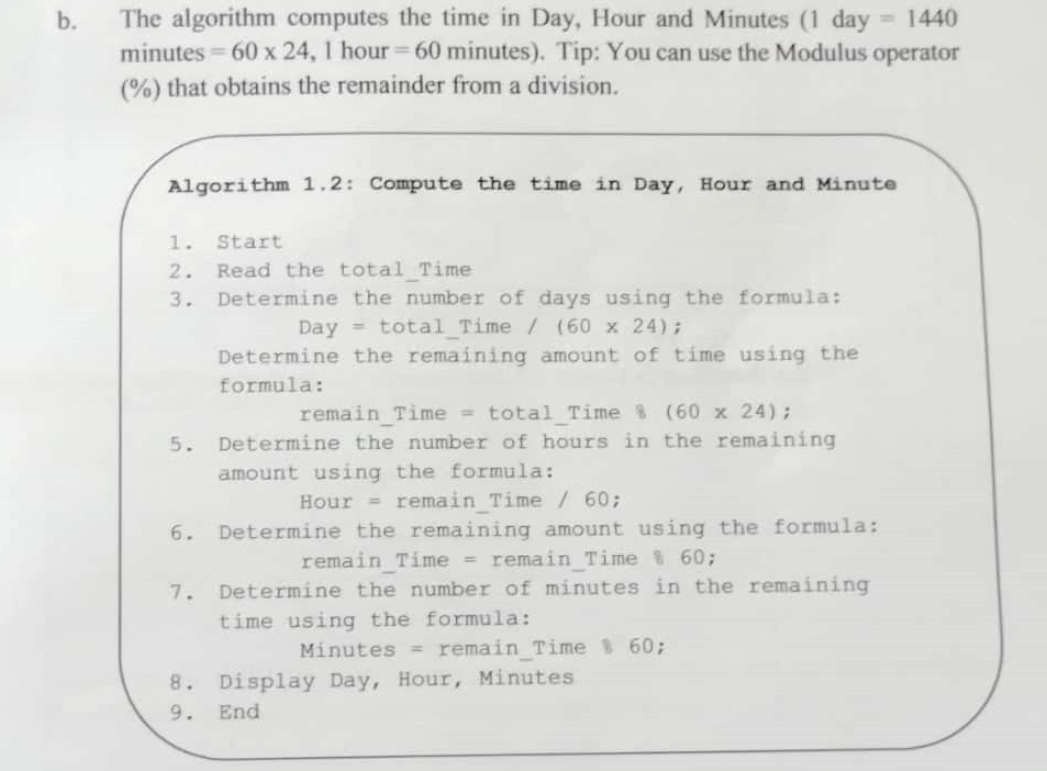
Print turkish\_Lira

Calculate

turkish\_Lira = MYR × MYR\_TO\_TRY

Set MYR\_TO\_TRY=0.5997

b.



Input

Start

total\_Time

Process

1. Calculate Day = total\_Time / (60 × 24)

Read total\_Time

1. Calculate remain\_Time = total\_Time % (60 × 24)
2. Calculate Hour = remain\_Time / 60
3. Calculate remain\_Time = remain\_Time % 60

Calculate

Day = total\_Time/(60 ×24),

1. Calculate Minutes = remain\_Time % 60

Output

Day, Hour, Minutes

Calculate

remain\_Time = total\_Time % (60 × 24)

2.

Calculate

remain\_Time = remain\_Time %60

End

Calculate

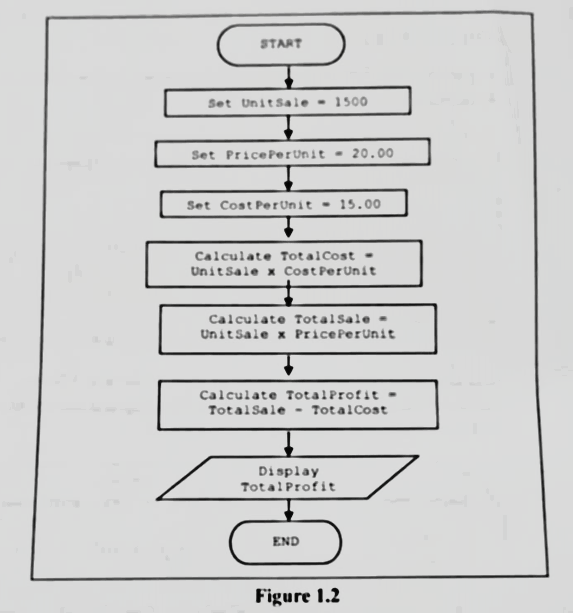
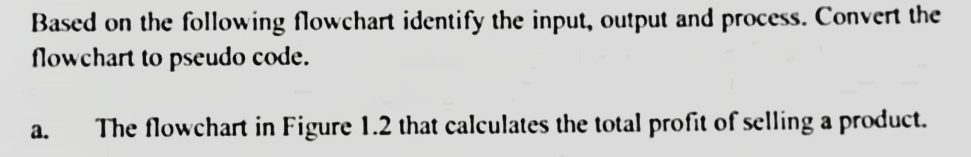
Minutes = remain\_Time%60

Calculate

Hour = remain\_Time / 60

Print

Day, Hour, Minutes



Input

-

Process

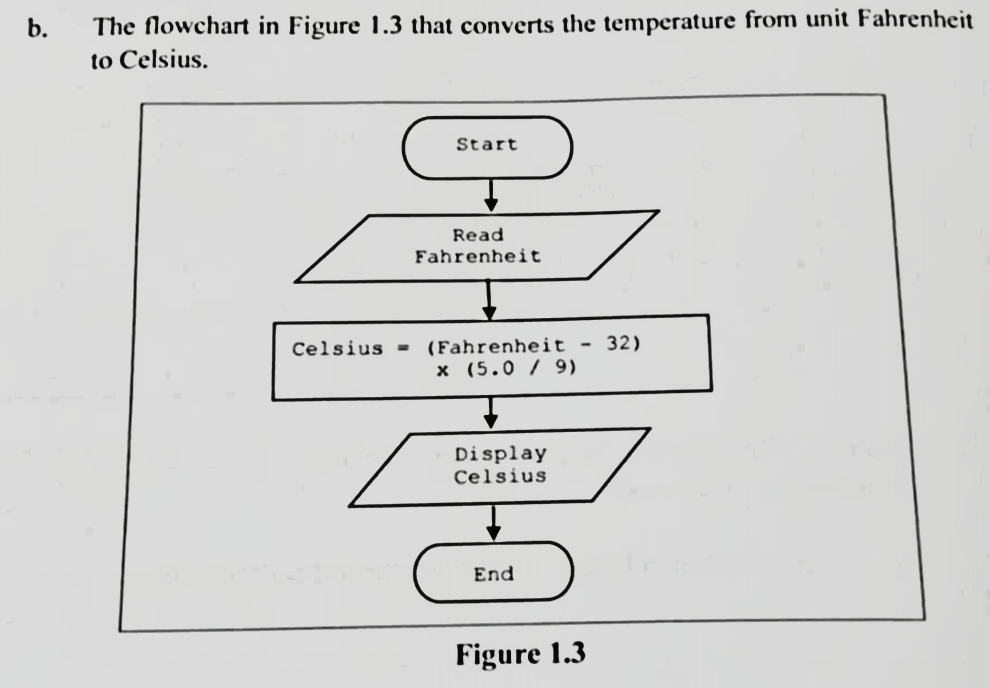
1. Set UnitSale=1500
2. Set PricePerUnit=20.00
3. Set CostPerUnit=15.00
4. Calculate TotalCost=UnitSale × CostPerUnit
5. Calculate TotalSale= UnitSale × PricePerUnit
6. Calculate TotalProfit = TotalSale – TotalCost

Output

TotalProfit

Pseudo Code

1. Start
2. Set UnitSale = 1500
3. Set PricePerUnit = 20.00
4. Set CostPerUnit = 15.00
5. Calculate TotalCost = UnitSale × CostPerUnit
6. Calculate TotalSale = UnitSale × PricePerUnit
7. Calculate TotalProfit = TotalSale – TotalCost
8. Display TotalProfit
9. End



Input

Fahrenheit

Process

Calculate Celsius = (Fahrenheit -32) × (5.0/9)

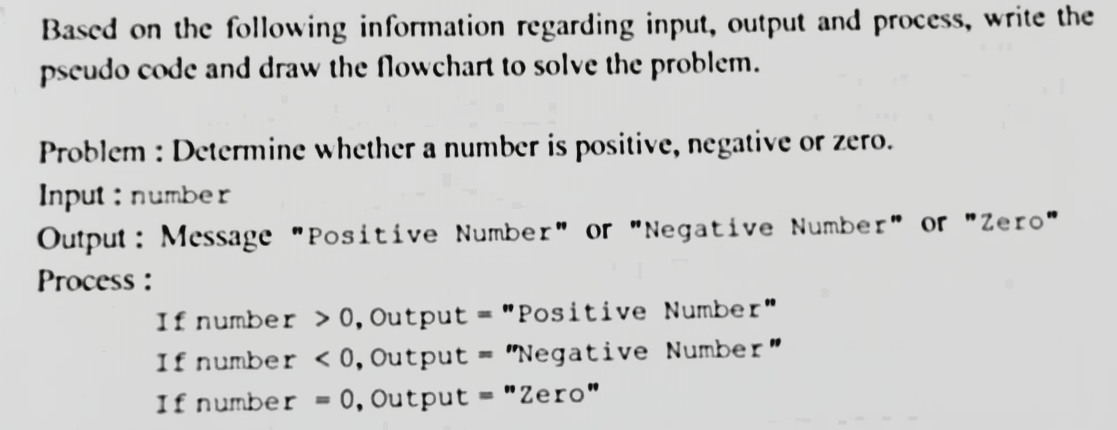
Output

Celsius

Pseudo Code

1. Start
2. Read Fahrenheit
3. Calculate Celsius = (Fahrenheit -32) × (5.0/9)
4. Display Celsius
5. End

3.



Pseudo Code

1. Start
2. Display “Enter a number : “
3. Read number
4. if (number >0 )
   1. Print “Positive Number”
   2. Go to Step 7
5. else if ( number <0)
   1. Print “Negative Number”
   2. Go to Step 7
6. else if (number ==0)

5.1 Print “Zero”

1. end\_if
2. End

False

False

True

True

True

Print

“Zero”

Print

“Positive Number” “

End

number == 0

number >0

Print

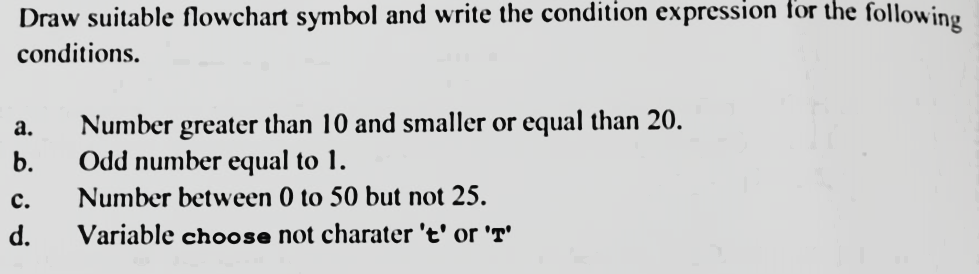
“Negative Number”

number <0

Read number

Start

4.



a. (N>10)&&(N<=20)

((N>10)&&(N<=20))

b. (N%2==1)&&(N==1)

((N%2==1)&&(N==1))

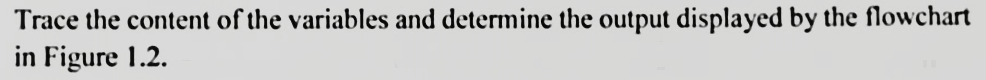
c. (N>0)&&(N<50)&&(N!=25)

((N>0)&&(N<50)&&(N!=25))

d. (character!=’t’)&&(character!=’T’)

((character!=’t’)&&(character!=’T’))

5.



Variables

1. UnitSale
2. PricePerUnit
3. CostPerUnit
4. TotalCost
5. TotalSale
6. TotalProfit

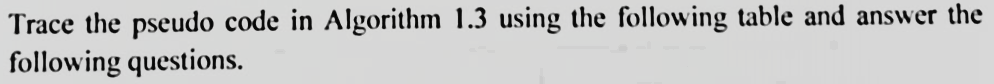
Trace table

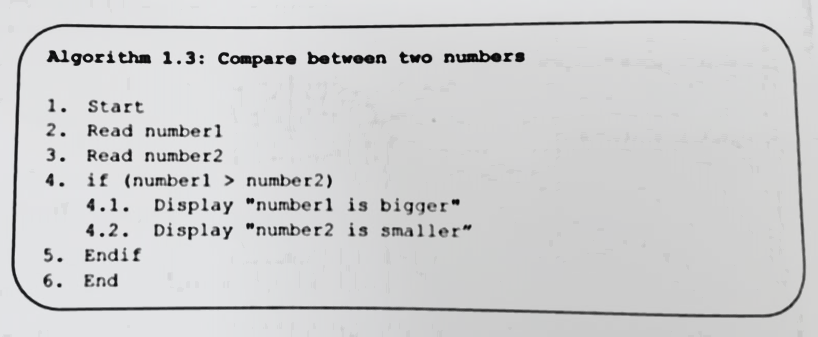
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Unit Sale | Price Per Unit | Cost Per Unit | Total Cost | Total Sale | Total Profit | Output |
| 1500 | 20.00 | 15.00 | 1500×15.00  =22500 | 1500×20.00  =30000 | 30000-22500  =7500 | 7500 |

Output

7500

6.





Table

Description automatically generated

Table 1.1

|  |  |  |
| --- | --- | --- |
| number1 | number2 | Output Statement |
| 103 | 25 | number1 is bigger  number2 is smaller |
| 90 | 120 | - |
| 15 | 15 | - |

1. No
2. Start
3. Display “ Enter number 1 and number 2 : ”
4. Read number1
5. Read number2
6. if (number1 > number2)
   1. Print “number1 is bigger”
   2. Print “number2 is smaller”
   3. Go to Step 8
7. Else if (number1<number2)
   1. Print “number1 is smaller”
   2. Print “number2 is bigger”
   3. Go to Step 8
8. else if (number1==number2)
   1. Print “number1 is equal to number2”
9. End\_if
10. End