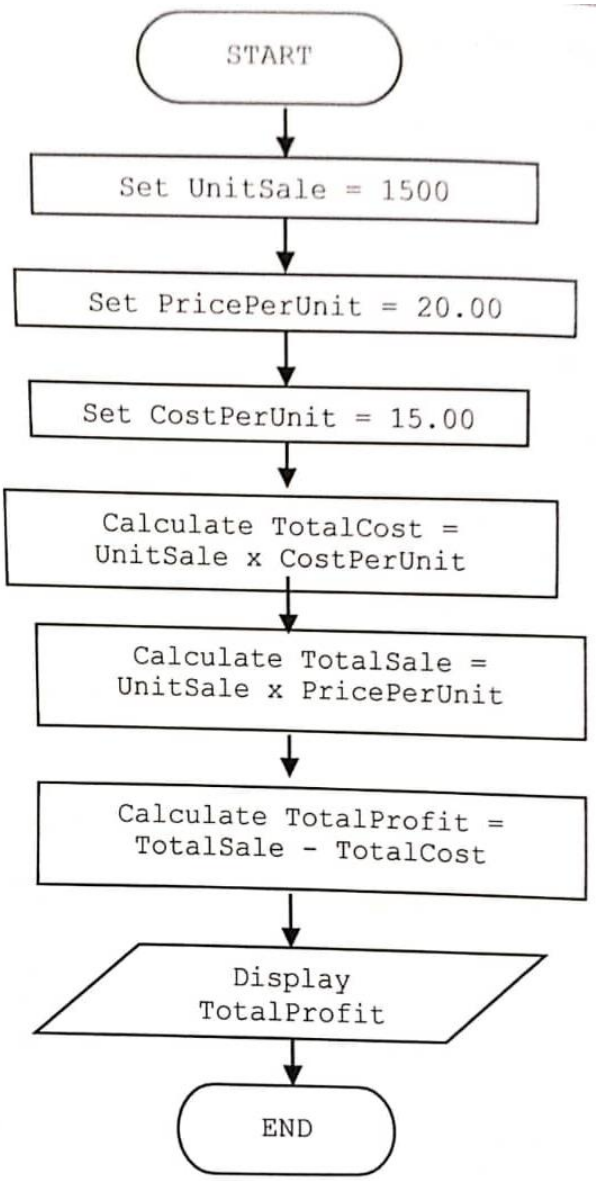
SECJ 1013 PROGRAMMING TECHNIQUE 1

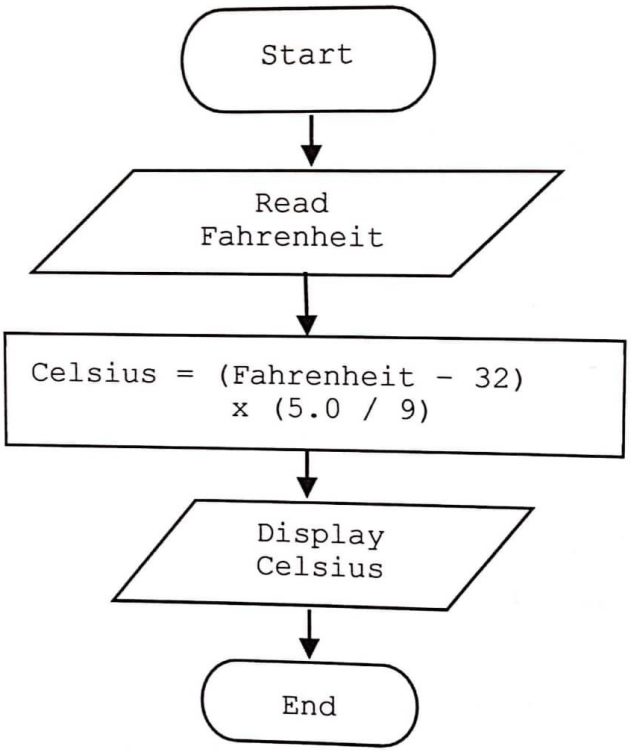
EXERCISE 1

NAME:_____

MATRIC NUMBER: _____

1) Based on the following flowchart, identify the input, output and process. Convert the flowchart to pseudo code.





2) Trace the pseudo code in Algorithm using the following table and answer the following questions.

Algorithm 1.3: Compare between two numbers

```
1.  Start
2.  Read number1
3.  Read number2
4.  if (number1 > number2)
    4.1.  Display "number1 is bigger"
    4.2.  Display "number2 is smaller"
5.  Endif
6.  End
```

number1	number2	Output statement
103	25	
90	120	
15	15	

a) Did the second and third data set give an output?

b) Add another selection in the pseudocode above so that a relevant output can be displayed.

c) Draw a complete flowchart based on Algortihm 1.3 and your answer in (b).

3) Determine either it is True or False

int x = 8, y = -3, z = 4;

a) (x <= y) && (y > z)

b) (x == y) && (z > y)

c) (x >= z) || (y <= z)

d) (x == z) || (y >= z)

e) ! (x != z)