UTM

UNIVERSITI TEKNOLOGI MALAYSIA

(SECJ1013) PROGRAMMING TECHNIQUE 1

ASSIGNMENT 1

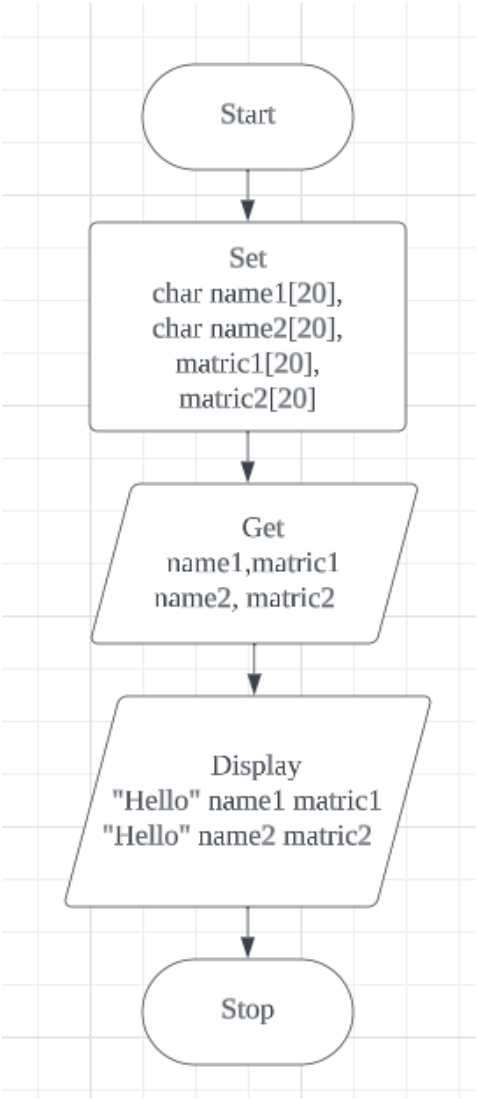
SECTION 3

BACHELOR OF COMPUTER SCIENCE

(DATA ENGINEERING)

Name	Matric Number
LEE YIN SHEN	A23CS0236
NEO LI XIN	A23CS0253

SET 1




```cpp
#include<iostream>
using namespace std;

int main(){

    char name1[20], name2[20], matric1[20], matric2[20] ;

    cout << "Enter member 1 name: " ;
    cin.getline(name1, 20) ;

    cout << "Enter member 1 matric number: " ;
    cin.getline(matric1, 20) ;

    cout << "Enter member 2 name: " ;
    cin.getline(name2, 20) ;

    cout << "Enter member 2 matric number: " ;
    cin.getline(matric2, 20) ;

    cout << "\nHello " << name1 << " " << matric1 << endl ;

    cout << "\nHello " << name2 << " " << matric2 << endl ;

    return 0 ;

}
```

```
D:\Documents\YEAR 1\C...
Enter member 1 name: LEE YIN SHEN
Enter member 1 matric number: A23CS0236
Enter member 2 name: NEO LI XIN
Enter member 2 matric number: A23CS0253

Hello LEE YIN SHEN A23CS0236

Hello NEO LI XIN A23CS0253

--------------------------------
Process exited after 81.03 seconds with
return value 0
Press any key to continue . . .
```

SET 2

i) years < 1

ii) Y <= years

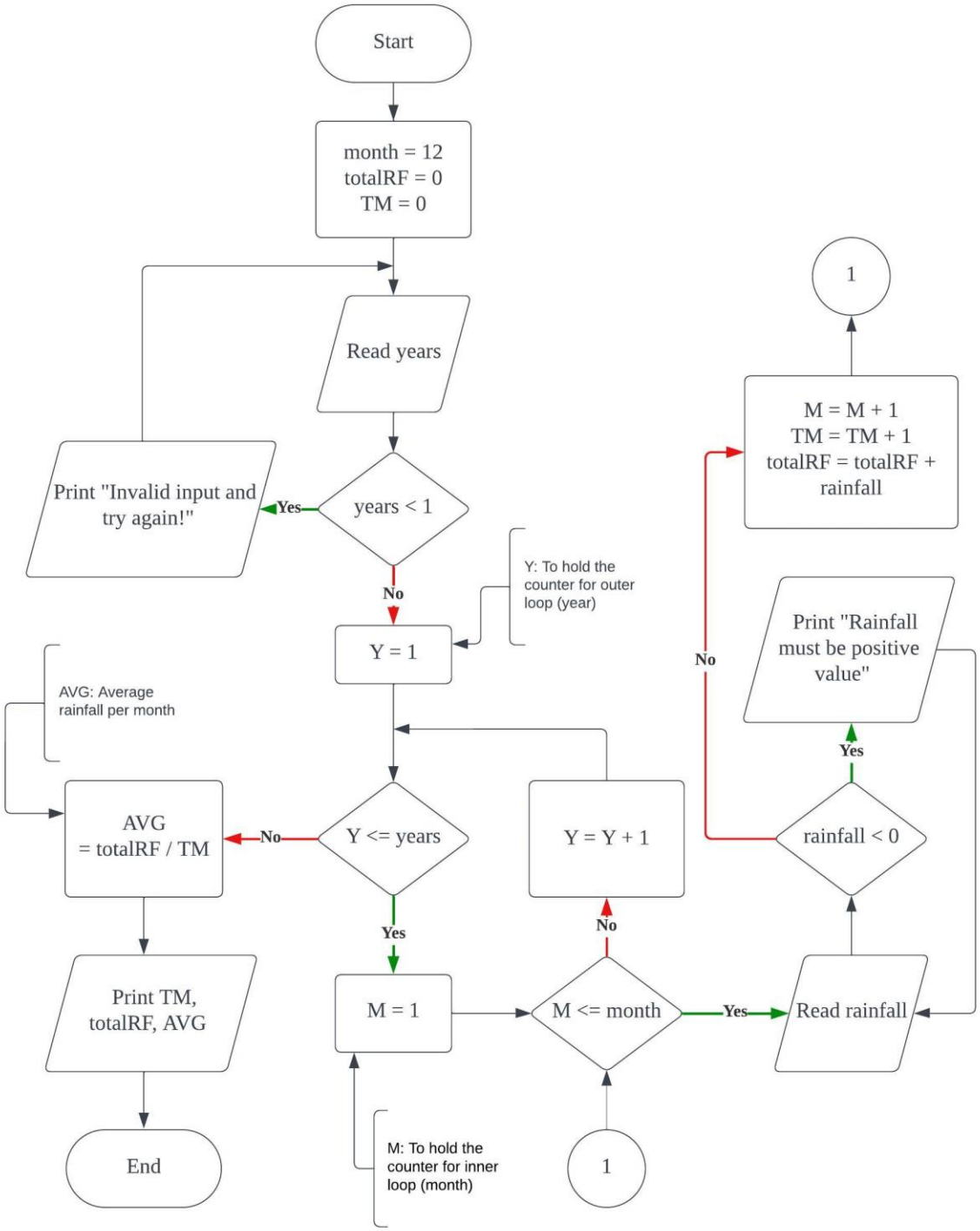
iii) totalRF / TM

iv) M <= month

v) Y = Y + 1

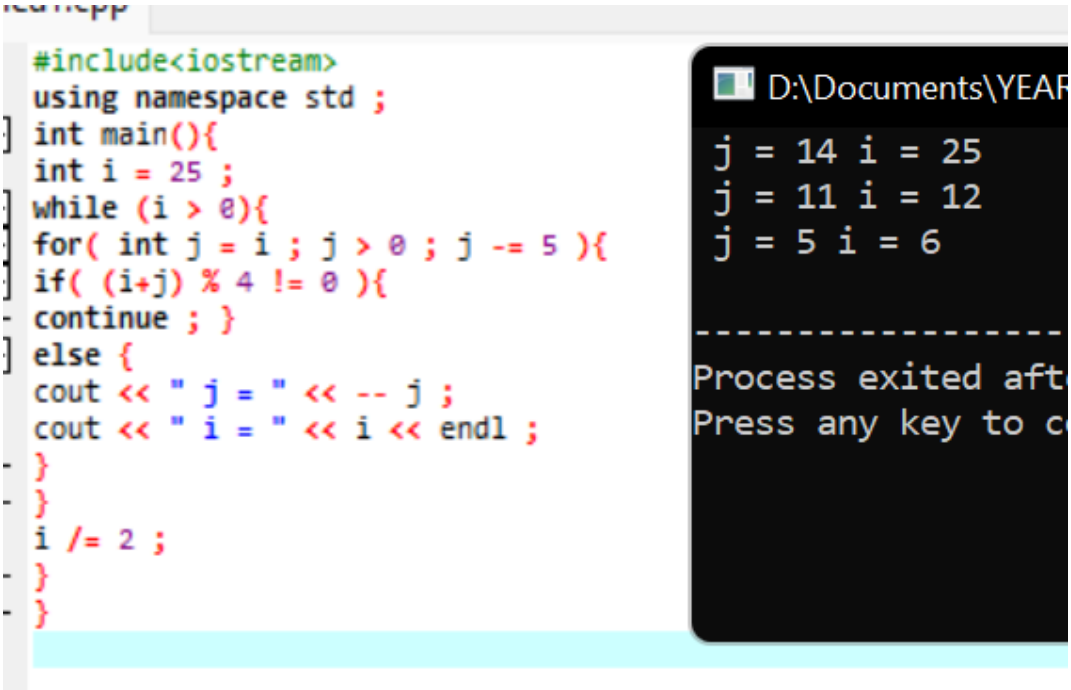
vi) rainfall < 0

vii) totalRF = totalRF + rainfall

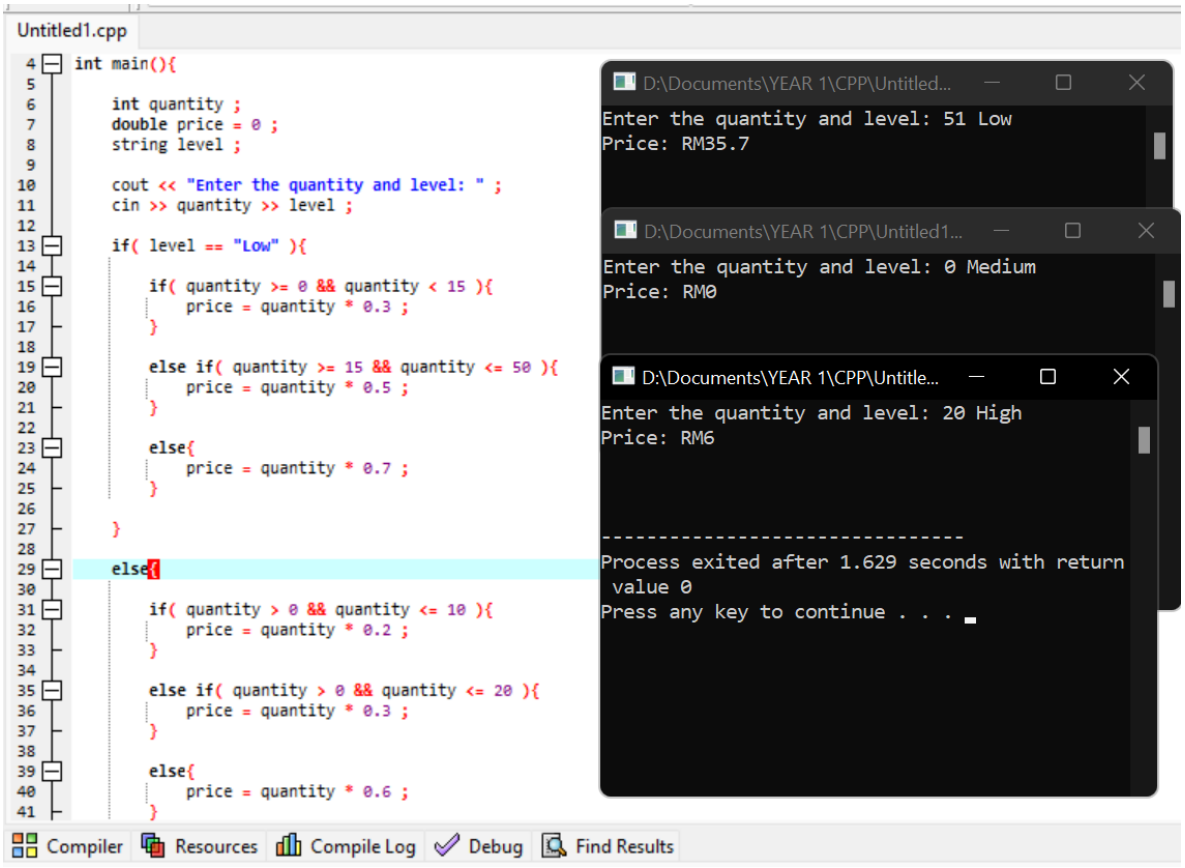

Start
month = 12
totalRF = 0
TM = 0
Read years
Print "Invalid input and try again!"
Yes
years < 1
No
Y: To hold the counter for outer loop (year)
Y = 1
AVG: Average rainfall per month
AVG
= totalRF / TM
No
Y <= years
Yes
Print TM,
totalRF, AVG
End
M = 1
M: To hold the counter for inner loop (month)
Y = Y + 1
No
M <= month
Yes
1
Read rainfall
rainfall < 0
Yes
Print "Rainfall must be positive value"
No
M = M + 1
TM = TM + 1
totalRF = totalRF + rainfall
1

SET 3

1	#include<iostream>
2	using namespace std ;
3	int main(){
4	int i = 25 ;
5	while (i > 0){
6	for(int j = i ; j > 0 ; j -= 5){
7	if((i+j) % 4 != 0){
8	continue ; }
9	else {
10	cout << " j = " << -- j ;
11	cout << " i = " << i << endl ;
12	}
13	}
14	i /= 2 ;
15	}
16	}



SET 4


Untitled1.cpp
int main(){
int quantity ;
double price = 0 ;
string level ;
cout << "Enter the quantity and level: " ;
cin >> quantity >> level ;
if(level == "Low"){
if(quantity >= 0 && quantity < 15){
price = quantity * 0.3 ;
}
else if(quantity >= 15 && quantity <= 50){
price = quantity * 0.5 ;
}
else{
price = quantity * 0.7 ;
}
}
else{
if(quantity > 0 && quantity <= 10){
price = quantity * 0.2 ;
}
else if(quantity > 0 && quantity <= 20){
price = quantity * 0.3 ;
}
else{
price = quantity * 0.6 ;
}
D:\Documents\YEAR 1\CPP\Untitled...
Enter the quantity and level: 51 Low
Price: RM35.7
D:\Documents\YEAR 1\CPP\Untitled1...
Enter the quantity and level: 0 Medium
Price: RM0
D:\Documents\YEAR 1\CPP\Untitle...
Enter the quantity and level: 20 High
Price: RM6

Process exited after 1.629 seconds with return value 0
Press any key to continue . . .
Compiler
Resources
Compile Log
Debug
Find Results