UTM

UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING

SECJ 1013

PROGRAMMING TECHNIQUE 1

ASSIGNMENT 1

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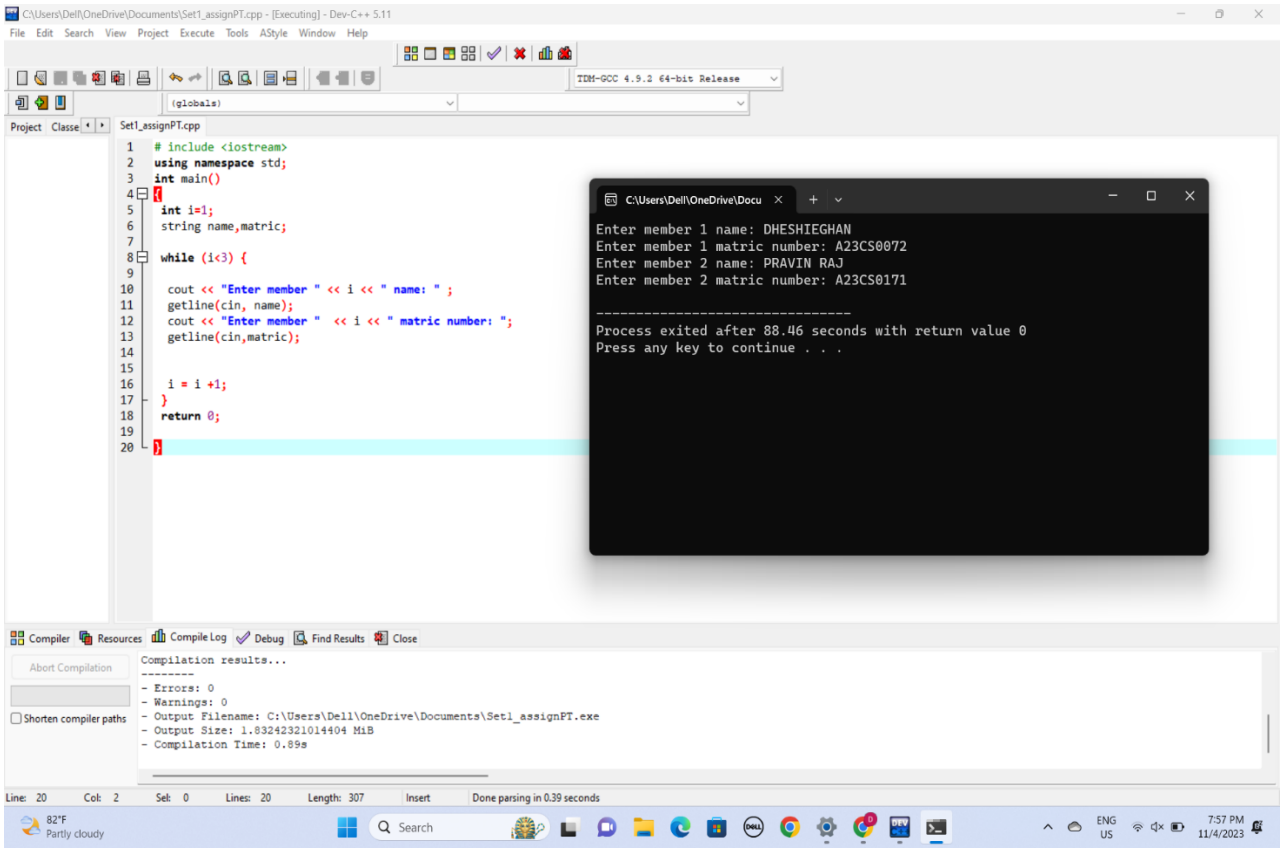
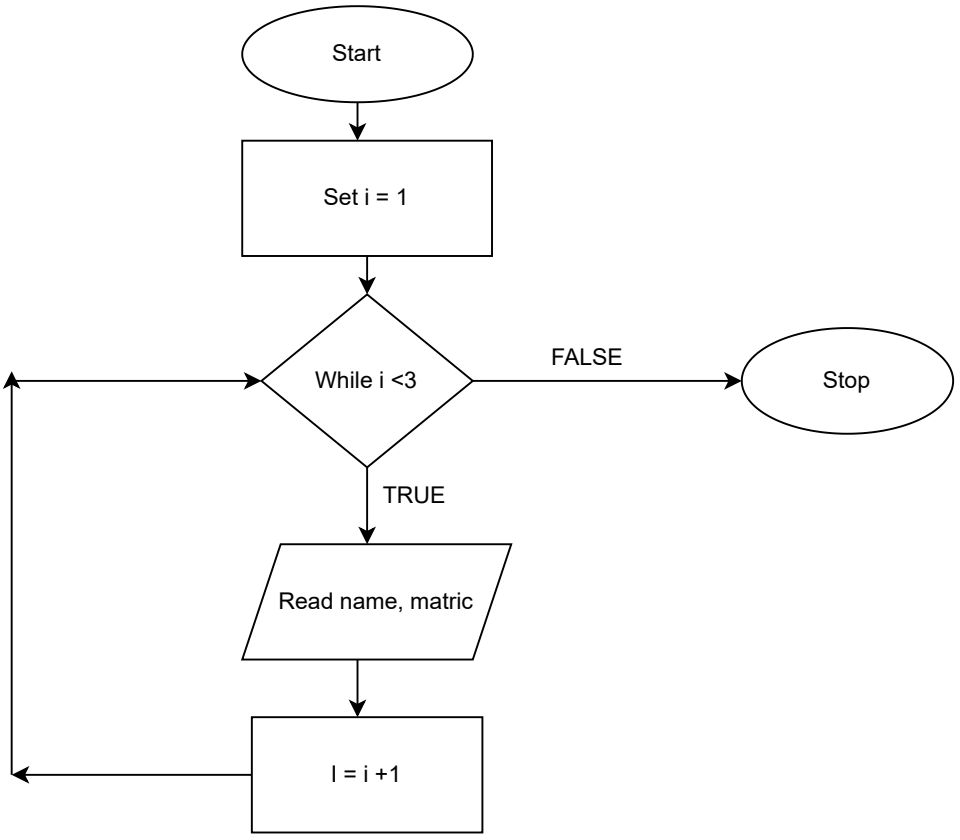
SET 1

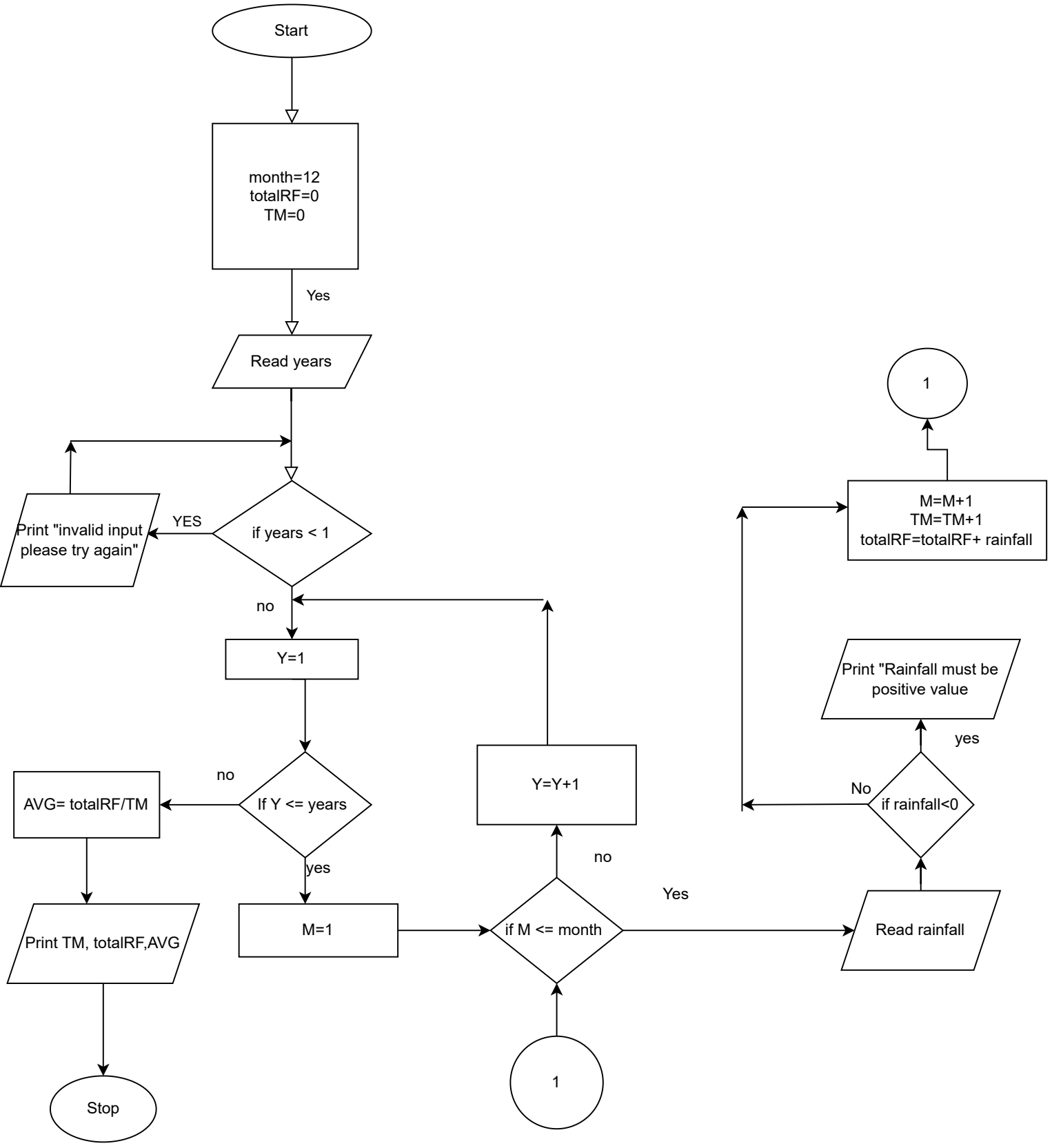


C++ CODE

```
# include <iostream>
 using namespace std;
 int main()
 {          int i=1;
            string name,matric;
            while (i<3) {
                        cout << "Enter member " << i << " name: " ;
                        getline(cin, name);
                        cout << "Enter member " << i << " matric number: ";
                        getline(cin,matric);
                        i = i +1; }
                        return 0;
}
```


Start
Set i = 1
While i <3
FALSE
Stop
TRUE
Read name, matric
I = i +1

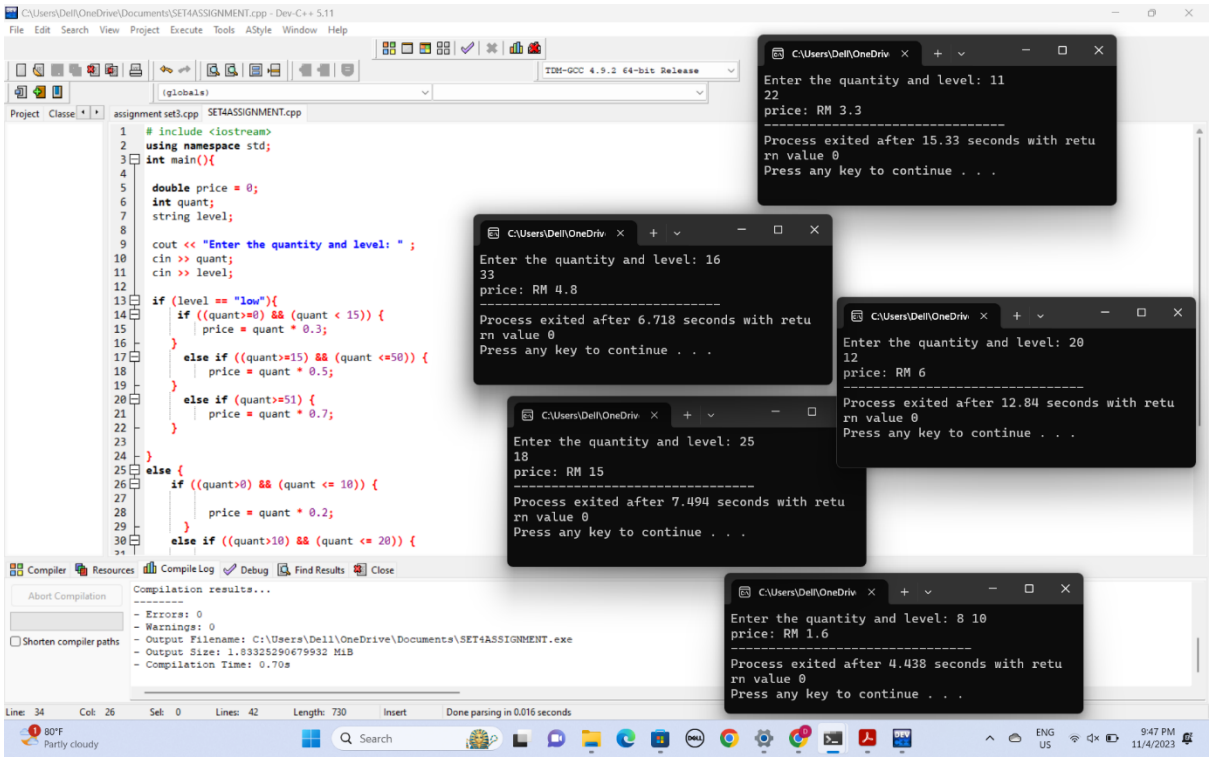
SET 2

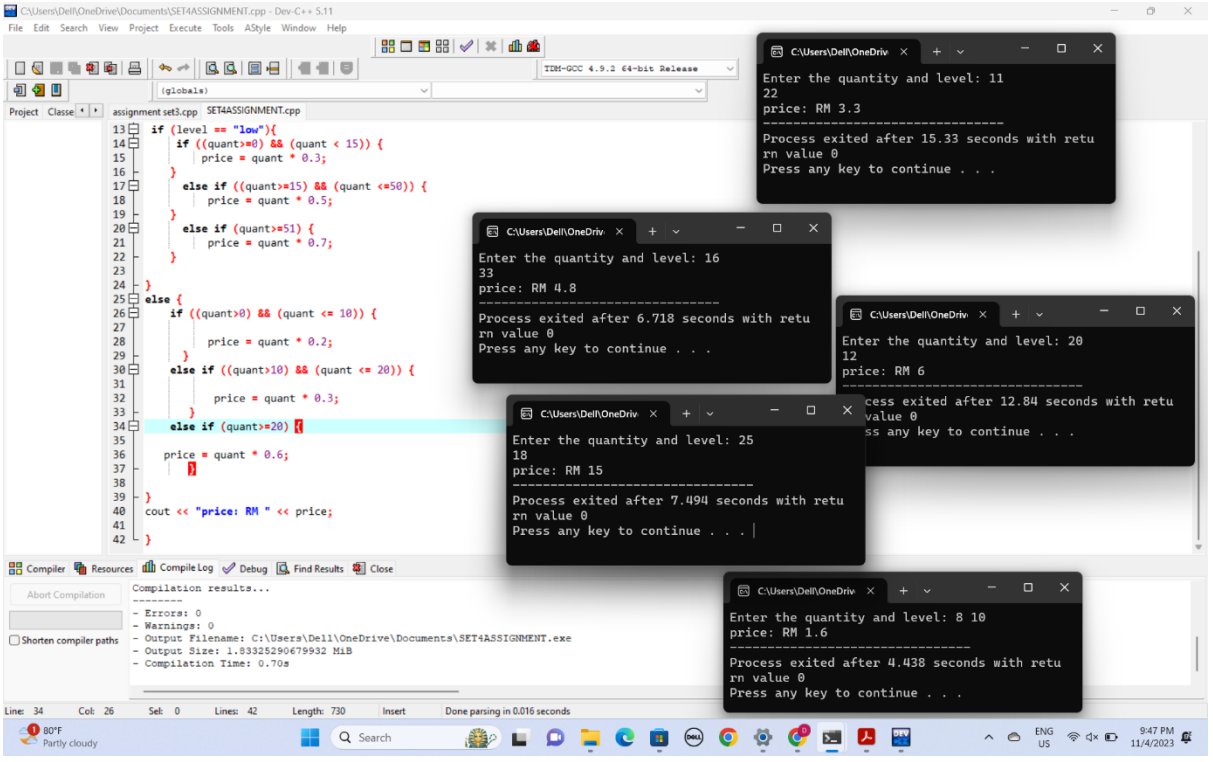

Start
month=12
totalRF=0
TM=0
Yes
Read years
if years < 1
YES
Print "invalid input please try again"
no
Y=1
If Y <= years
no
AVG= totalRF/TM
Print TM, totalRF,AVG
Stop
yes
M=1
if M <= month
no
Y=Y+1
1
Yes
Read rainfall
if rainfall<0
No
yes
Print "Rainfall must be positive value
M=M+1
TM=TM+1
totalRF=totalRF+ rainfall
1

SET 3

Line	Corrected Statements
2	using namespace std;
5	for(int j = i; j>0 ;j-=5)
6	If((i+j)%4 !=0)
8	else{
9	cout<<"j = " << --j <<end1;}
10	cout << "i=" <<i<<end1;}
12	i/=2;
14	return 0;}

SET 4


Enter the quantity and level: 11
22
price: RM 3.3
Process exited after 15.33 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 16
33
price: RM 4.8
Process exited after 6.718 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 20
12
price: RM 6
Process exited after 12.84 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 25
18
price: RM 15
Process exited after 7.494 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 8 10
price: RM 1.6
Process exited after 4.438 seconds with return value 0
Press any key to continue . . .


Enter the quantity and level: 11
22
price: RM 3.3
Process exited after 15.33 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 16
33
price: RM 4.8
Process exited after 6.718 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 20
12
price: RM 6
Enter the quantity and level: 25
18
price: RM 15
Process exited after 7.494 seconds with return value 0
Press any key to continue . . .
Enter the quantity and level: 8 10
price: RM 1.6
Process exited after 4.438 seconds with return value 0
Press any key to continue . . .

C++ CODE

```
# include <iostream>
using namespace std;
int main(){

 double price = 0;
 int quant;
 string level;

 cout << "Enter the quantity and level: " ;
 cin >> quant;
 cin >> level;

 if (level == "low"){
          if ((quant>=0) && (quant < 15)) {
              price = quant * 0.3;
   }
     else if ((quant>=15) && (quant <=50)) {
              price = quant * 0.5;
   }
     else if (quant>=51) {
              price = quant * 0.7;
   }
```

```
}
else {
        if ((quant>0) && (quant <= 10)) {
            price = quant * 0.2;
         }
   else if ((quant>10) && (quant <= 20)) {

        price = quant * 0.3;
     }
   else if (quant>=20) {

  price = quant * 0.6;
     }

}
cout << "price: RM " << price;

}
```