



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECJ1013 PROGRAMMING TECHNIQUE 1
SEMESTER 1 (2023/2024)

ASSIGNMENT 1

NAME

Name	Matric No.
YASMIN BATRISYIA BINTI ZAHIRUDDIN	A23CS0201
NURUL ASYIKIN BINTI KHAIRUL ANUAR	A23CS0162
NAJMA SHAKIRAH BINTI SHAHRULZAMAN	A23CS0140

LECTURER'S NAME: DR NIES HUI WEN

DATE OF SUBMISSION: 5th NOVEMBER 2023

SET 1

Pseudocode

1. Start
2. Print "Enter member 1 name:"
3. Get member1
4. "Enter member 1 matric number:"
5. Get matricno1
6. Print "Enter member 2 name:"
7. Get member2
8. "Enter member 2 matric number:"
9. Get matricno2
10. Print "Enter member 3 name:"
11. Get member3
12. "Enter member 3 matric number:"
13. Get matricno3
14. Print "Assignment 1"
15. Print "-----"
16. Print "Course: SECJ 1013 Programming Techniques 1"
17. Print "Section: 03"
18. Print "Program: Bachelor of Computer Science (Data Engineering)"
19. Print "Members:"
20. Print member1 << " (" << matricno1 << ")"
21. Print member2 << " (" << matricno2 << ")"
22. Print member3 << " (" << matricno3 << ")"

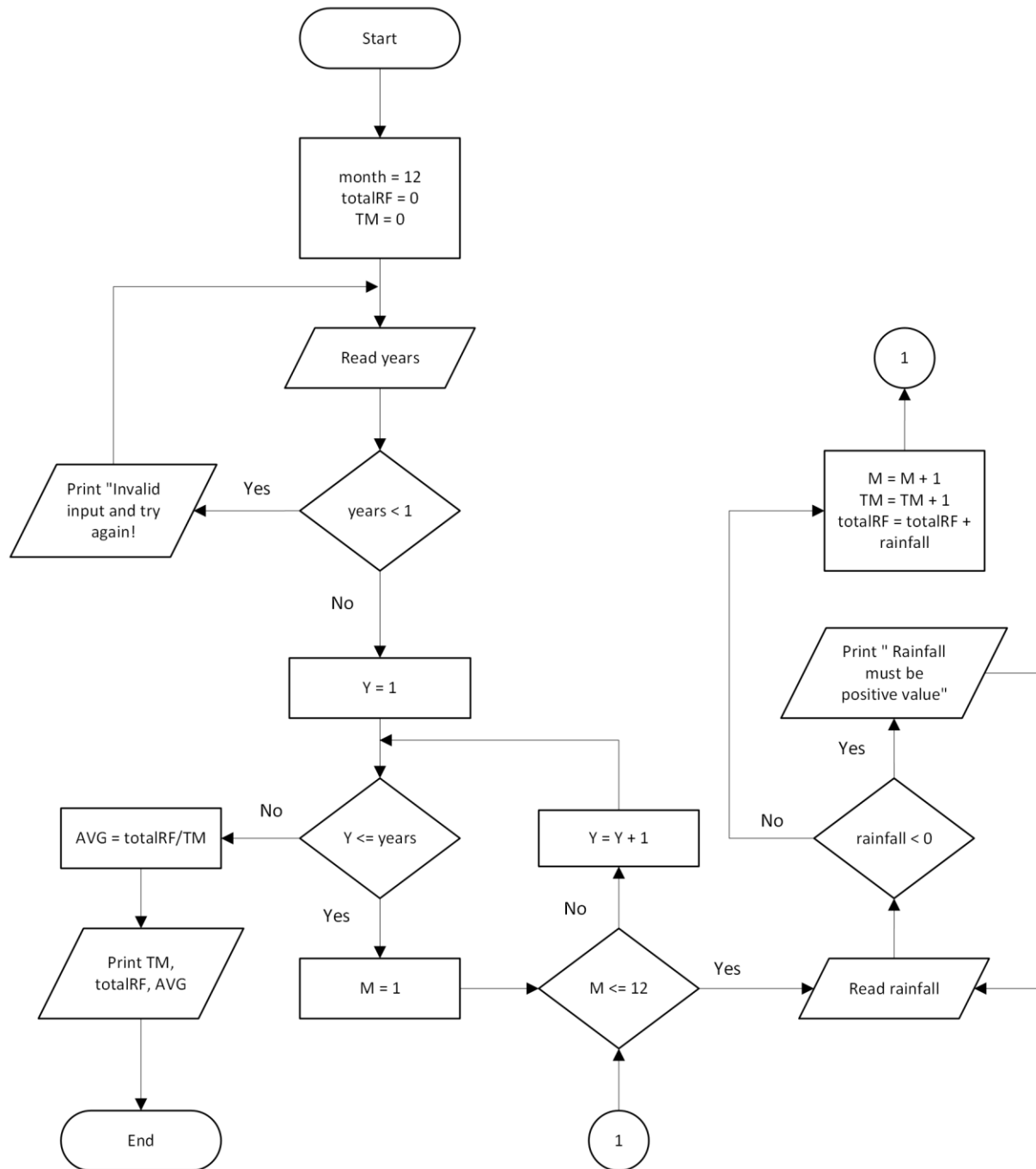
Code

```
1 //SET 1 (assignment 1)
2
3 #include <iostream>
4 using namespace std;
5
6 int main(){
7
8     //declare
9
10    string member1,member2,matricno1,matricno2,member3,matricno3;
11
12    //inputs
13    cout << "Enter member 1 name:";
14    getline(cin, member1);
15    cout << "Enter member 1 matric number:";
16    getline(cin, matricno1);
17
18    cout << "Enter member 2 name:";
19    getline(cin, member2);
20    cout << "Enter member 2 matric number:";
21    getline(cin, matricno2);
22
23    cout << "Enter member 3 name:";
24    getline(cin, member3);
25    cout << "Enter member 3 matric number:";
26    getline(cin, matricno3);
27
28    cout << endl;
29
30    //outputs
31    cout << "Assignment 1" << endl;
32    cout << "-----" << endl; //17 dashes
33    cout << "Course: SECJ 1013 Programming Techniques 1" << endl;
34    cout << "Section: 03" << endl;
35    cout << "Program: Bachelor of Computer Science (Data Engineering)" << endl;
36
37    cout << "Members:" << endl;
38    cout << member1 << " (" << matricno1 << ")" << endl;
39    cout << member2 << " (" << matricno2 << ")" << endl;
40    cout << member3 << " (" << matricno3 << ")" << endl;
41
42    return 0;
43 }
44
45
```

```
C:\Users\asus\Desktop\C++ p x + v - □ x
Enter member 1 name:YASMIN BATRISYIA BINTI ZAHIRUDDIN
Enter member 1 matric number:A23CS0201
Enter member 2 name:NURUL ASYIKIN BINTI KHAIRUL ANUAR
Enter member 2 matric number:A23CS0162
Enter member 3 name:NAJMA SHAKIRAH BINTI SHAHRULZAMAN
Enter member 3 matric number:A23CS0140

Assignment 1
-----
Course: SECJ 1013 Programming Techniques 1
Section: 03
Program: Bachelor of Computer Science (Data Engineering)
Members:
YASMIN BATRISYIA BINTI ZAHIRUDDIN (A23CS0201)
NURUL ASYIKIN BINTI KHAIRUL ANUAR (A23CS0162)
NAJMA SHAKIRAH BINTI SHAHRULZAMAN (A23CS0140)
-----
Process exited after 72.55 seconds with return value 0
Press any key to continue . . . |
```

SET 2



SET 3

Line	Corrected Statements
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	i /= 2;
14	}
15	system ("pause");
16	return 0;
17	}

SET 4

```
...  ← →  New folder
min.cpp  exercise 1.cpp  exercise 2.cpp  assignment set 4.cpp  Q3 - Asg1.cpp 6  assignment 4 (2).cpp  ↕ ⚙ □ ...

assignment set 4.cpp > main()
1  #include <iostream>
2  using namespace std;
3
4  int main (){
5
6      double price = 0;
7      int quantity;
8      string level;
9
10     cout<< "Enter the quantity and level: ";
11     cin>> quantity >>level;
12
13     if (level == "low"){
14         if (quantity >= 0 && quantity <15){
15             price = quantity * 0.3;
16         }
17         else if
18             (quantity >= 15 && quantity <50)
19             price = quantity * 0.5;
20
21         else if
22             (quantity > 20)
23             price = quantity * 0.7;
24     }
25
26     else {
27         if (quantity > 0 && quantity <= 10){
28             price = quantity * 0.2;
29         }
30         else if
31             (quantity > 10 && quantity <= 20)
32             price = quantity * 0.3;
33     }
```

```
n ...  ← →  New folder
min.cpp  exercise 1.cpp  exercise 2.cpp  assignment set 4.cpp  Q3 - Asg1.cpp 6  assignment 4 (2).cpp  ↕ ⚙ □ ...

assignment set 4.cpp > main()
17     else if
18         (quantity >= 15 && quantity <50)
19         price = quantity * 0.5;
20
21     else if
22         (quantity > 20)
23         price = quantity * 0.7;
24
25 }
26 else {
27     if (quantity > 0 && quantity <= 10){
28         price = quantity * 0.2;
29     }
30     else if
31         (quantity > 10 && quantity <= 20)
32         price = quantity * 0.3;
33
34     else if
35         (quantity > 20)
36         price = quantity * 0.6;
37
38 }
39
40 cout<< "Price: RM " <<price<<"\n";
41
42 system("pause");
43 return 0;
44
45 }
```

C:\MinGW\New folder\assign x + ▾ - □ ×

Enter the quantity and level: 51 low
Price: RM 35.7
Press any key to continue . . . |