

ASSIGNMENT 1 – PROGRAMMING TECHNIQUE 1

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SET 1

Pseudocode

1. START
2. Declare mem1, mem2, mat1, mat2
3. Read mem1, mem2, mat1, mat2
4. Print "Assignment 1", "Course: SECJ 1013 Programming Technique 1", "Section: S03, "Program: Bachelor of Computer Science (Data Engineering)", "Members"
5. Print mem1, mat1, mem2, mat2
6. STOP

C++ Code:

```
1  #include <iostream>
2
3  using namespace std;
4
5  int main ()
6
7  {
8
9      string mem1, mem2, mat1, mat2;
10
11
12
13      cout<<"Enter member 1 name: ";
14
15      getline(cin,mem1) ;
16
17      cout<<"Enter member 1 matric number: ";
18
19      getline(cin,mat1);
20
21      cout<<"Enter member 2 name: ";
22
23      getline(cin,mem2);
24
25      cout<<"Enter member 2 matric number: ";
26
27      getline(cin,mat2) ;
28
```

```

31 cout<<"\n""\n";
32
33 cout<<"Assignment 1";
34
35 cout<<"\n""-----";
36
37 cout<<"\n""Course: SECJ 1013 Programming Technique 1";
38
39 cout<<"\nSection: S03";
40
41 cout<<"\n""Program: Bachelor of Computer Science (Data Engineering)";
42
43 cout<<"\n""Members";
44
45 cout<<"\n"<<mem1;
46
47 cout<<" ("<<mat1<<")";
48
49 cout<<"\n"<<mem2;
50
51 cout<<" ("<<mat2<<")";
52
53
54
55 return 0;
56
57 }

```

Output:

```

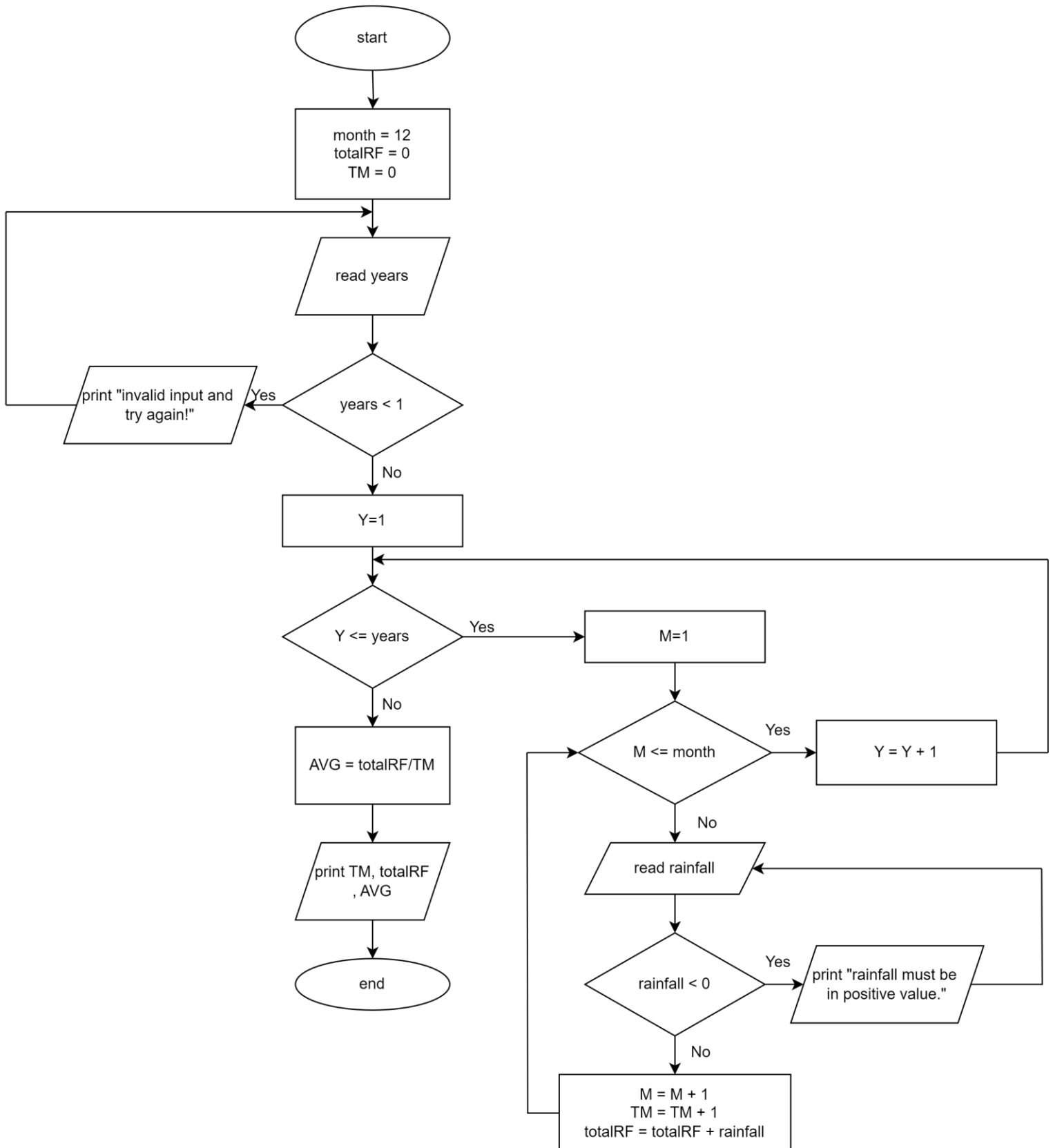
C:\Users\USER\Documents\programming techn\set1pt1\set1pt1.exe
Enter member 1 name: AIN NUR NABILA
Enter member 1 matric number: A23CS0207
Enter member 2 name: SYARIFAH DANIA
Enter member 2 matric number: A23CS0183

Assignment 1
-----
Course: SECJ 1013 Programming Technique 1
Section: S03
Program: Bachelor of Computer Science (Data Engineering)
Members
AIN NUR NABILA (A23CS0207)
SYARIFAH DANIA (A23CS0183)
-----
Process exited after 23.61 seconds with return value 0
Press any key to continue . . .

```

SET 2

FLOWCHART



SET 3

Line	Corrected Statements
3	int j, i = 25
5	for (j = i; j>0; j-=5)
6	if ((i + j) % 4 != 0) {
7	continue; }
8	else {
9	std :: cout << "j =" << --j;
10	std :: cout << "i= " << i << endl; }
13	} return 0;

SET 4

C++ CODE

```
1  #include <iostream>
2  using namespace std;
3
4  int main() {
5      int quantity;
6      double price = 0;
7      string level;
8
9      cout << "Enter the quantity and level: ";
10     cin >> quantity >> level;
11
12     if (level == "Low") {
13         if (quantity >= 0 && quantity < 15) {
14             price = quantity * 0.3;
15         } else if (quantity >= 15 && quantity <= 50) {
16             price = quantity * 0.5;
17         } else if (quantity > 50) {
18             price = quantity * 0.7;
19         }
20     } else {
21         if (quantity > 0 && quantity <= 10) {
22             price = quantity * 0.2;
23         } else if (quantity > 10 && quantity <= 20) {
24             price = quantity * 0.3;
25         } else if (quantity > 20) {
26             price = quantity * 0.6;
27         }
28     }
29
30     cout << "Price: RM " << price << endl;
31
32     return 0;
33 }
```

Output:

```
C:\Users\USER\Documents\set4.exe
Enter the quantity and level: 51 Low
Price: RM 35.7

-----
Process exited after 6.018 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\USER\Documents\set4.exe
Enter the quantity and level: 0 Medium
Price: RM 0

-----
Process exited after 66.26 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\USER\Documents\set4.exe
Enter the quantity and level: 20 High
Price: RM 6

-----
Process exited after 7.23 seconds with return value 0
Press any key to continue . . .
```