DATA STRUCTURES

Lab 1: Revision

Lecturer: Hussien Omer AL_Baiti

Lab Grades

Component	Mark
Assignments	10
Quizzes	20
Final Exam	20
Total	**50**

Note: the above evaluation scheme may change slightly during the course

What is programming ?

- Set of instructions and commands that perform tasks .

Programming is difficulted ? Why ?

Algorithms

- set of steps for solving a problem or accomplishing a task.

- **How write algorithms :**

Use any of three following types:

✓Natural Language

✓Pseudo code

✓Flow chart

Exercise 1
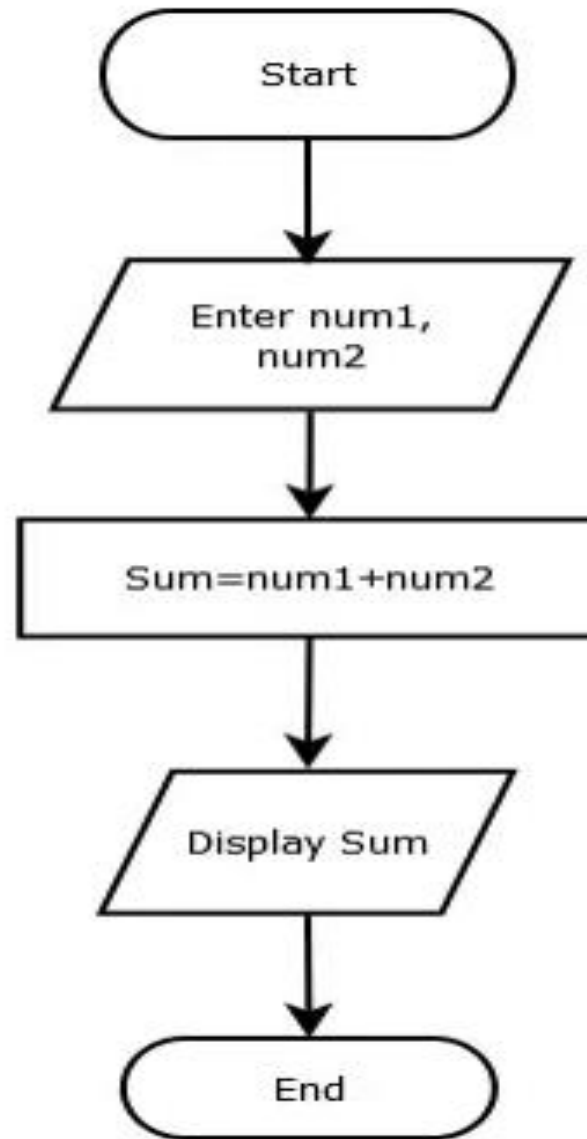
Write a program to sum two numbers .

Natural Language

1. Start

2. Read the numbers (num 1 , num 2)

3. Summation (num 1 with num 2)

4. Print the result

5. End

Pseudo code

1. Start

2. Read num 1 , num 2

3. sum = num 1 + num 2

4. Print sum

5. End

Flow chart

Exercise 2

Write a program to sum two numbers one of them is 5 .

Pseudo code

1. Start

2. Read num 1

3. init num 2 = 5

4. sum = num 1 + num 2

5. Print sum

6. End

1. Start

2. Read num 1

3. sum = 5 + num 1

4. Print sum

5. End

THE END