

Name: Abdelrahman Mohamed Abdelhamed

ID: 234327

Assignment 1 LAB  
Problem Solving

Q1. Sum of Two Integers.

1. Start
2. Input num1, num2
3.  $sum < num1 + num2$
4. Output sum
5. Stop

Q2. Greet a Name.

1. Start
2. Input name
3. Output "Hello, " + name
4. Stop

Q3. Product of Two Floating-Point Numbers.

1. Start
2. Input num1, num2
3.  $product < num1 \times num2$
4. Output product
5. Stop

Q4. Check Odd or Even.

1. Start
2. Input num
3. If  $num \bmod 2 = 0$  then  
    Output "Even"  
Else

Output "Odd"

4. Stop

Q5. Positive, Negative or Zero.

1. Start

2. Input num

3. If num > 0 then

Output "Positive"

Else if num < 0 then

Output "Negative"

Else

Output "Zero"

4. Stop

Q6. Largest of Three Numbers.

1. Start

2. Input a,b,c

3. largest < a

4. If b > largest then largest < b

5. If c > largest then largest < c

6. Output largest

7. Stop

Q7. Print 1 to N.

1. Start

2. Input N

3. For i < 1 to N

Else

Output i

4.Stop

Q8. Multiplication Table.

1. Start

2. Input num

3. For i < 1 to 10

Else

Output num x i

4.Stop

Q9. Factorial using Loop.

1. Start

2. Input num

3. fact < 1

4. For i < 1 to num do

fact < fact x i

5. Output fact

6. Stop