Lab (1)

Write C code that will print your name 10
times

```
Ahmed
Ahmed
Ahmed
Ahmed
Ahmed
Ahmed
Ahmed
Ahmed
Ahmed
Ahmed
```

Lab (2)

print the first ten natural numbers

```
The first 10 natural number are:
1 2 3 4 5 6 7 8 9 10
```

Lab (3)

Write a program in C to read 10 numbers from the user and find their summation and average

```
Enter the 10 numbers
Number-0 :5
Number-1 :6
Number-2 :19
Number-3 :17
Number-4 :4
Number-5 :35
Number-6 :12
Number-7 :7
Number-8 :20
Number-9 :11
The sum of 10 no is : 136
The Average is      : 13.600000
```

Lab (4)

Write C code that ask will ask the user to enter the result of 3 x 4, In case the user entered correct answer the program will print Thanks, otherwise the program will print try again until the user enters the correct answer

Expected Output

```
Enter the answer of 3 x 4 = 5
Not correct, Please try again: 19
Not correct, Please try again: 12
Thank You
```

Lab (5)

Write a program in C to display the multiplication table of a given integer.

```
Enter the number to display its multiplication table : 6

6 X 1 = 6
6 X 2 = 12
6 X 3 = 18
6 X 4 = 24
6 X 5 = 30
6 X 6 = 36
```

Lab (6)

Write a program in C to calculate the factorial of an integer entered by the user using while loop

```
Enter an integer: 7
Factorial= 5040
```

Lab (7)

Write a C program that ask the user to enter two numbers and print their summation, this program should never ends until the user close the window

Expected Output

```
Please enter first number 10
Please enter second number 20
The result is 30

Please enter first number ▮
```

Lab (8)

Write a login program in C that ask the user to enter his ID and his password, if the ID is correct the system will ask the user to enter his password up to 3 times, if he enters the password right the systems welcomes him, if the three times are incorrect, the system print *No more tries*. If the user ID is incorrect the system print *You are not registered*

```
Please Enter your ID: 7471
You are not registered
```

```
Please Enter your ID: 1234
Please Enter Password: 4512
Try again: 7788
Welcome Ahmed
```

```
Please Enter your ID: 1234
Please Enter Password: 5050
Try again: 6060
Try again: 7070
Incorrect password for 3 times, No more tries
```

User	ID	Password
Ahmed	1234	7788
Amr	5678	5566
Wael	9870	1122

Lab (9)

Expected Output

Write a c program that draw a pyramid of stars with height entered by the user

```
Please Enter the hieght of the pyramid: 4
   *
  ***
 *****
*******
```

```
Please Enter the hieght of the pyramid: 8
       *
      ***
     *****
    *******
   *********
  ***********
 *************
***************
```