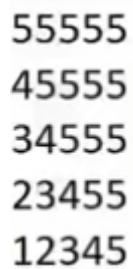# Assignment03

Sept22/ C/Assignment03
C Programming
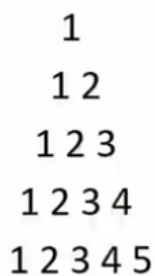Diploma in Advance Computing
September 2022

1. Write a C program to find the sum of first 10 natural numbers.

2. Write a program in C to display the first 10 natural numbers.

3. 12. Write a program to accept a number from user and calculate sum of its digits. (Use % operator)

4. Accept a number from user and print its reverse.

5. Accept a number from user and check whether it is Armstrong number or not.

6. Accept a number from user and check it is palindrome number or not.

7. Accept a number from user and print the factorial of the accepted number.

8. Accept n from user and print Fibonacci Series up to n terms.
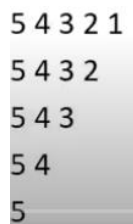
9.
```
55555
45555
34555
23455
12345
```

10.
```
    1
   1 2
  1 2 3
 1 2 3 4
1 2 3 4 5
```

11.
```
5 4 3 2 1
5 4 3 2
5 4 3
5 4
5
```

12.

E D C B A
D C B A
C B A
B A
A

13.

A B C D E
B C D E
C D E
D E
E

14.

1
01
010
1010
10101

15.

*
* *
*   *
*   *
* * * * *

16.

1234
2341
3421
4321

17.

```
1
1*2
1*2*3
1*2*3*4
1*2*3*4*5
```

18.

```
        *
      *   *
    *   *   *
  *   *   *   *
*   *   *   *   *
```