**Problem 1:** Write a program that input a number n and print series from 1 to n.

**Problem 2:** Write a program that reads a number n and displays the odd numbers till n

**Problem 3:** Write a program that reads a number n and displays even number till n.

**Problem 4:** Write a program that reads a number and displays its table.

**Problem 5:** Write a program that prints the following series.

1,0,3,3,2,6,5,4,9,……..

**Problem 6:** Write a program that prints factorial of number n.

**Problem 7:** Write a program that takes input base and exponent as input and display the computed value. You are not allowed to use the ** operator.

**Problem 8:** Write a program that reads n numbers and displays their min value.

**Problem 9:** Write a program that reads n numbers and displays their max value.

**Problem 10:** Write a program that reads n numbers and displays their average value.

**Problem 11:** Analyze the following input and output, and then write that a program that prints such a pattern given the input.

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

**Problem 12:** Analyze the following input and output, and then write that a program that prints such a pattern given the input.

Input:3

**Output:**

```
4 5 6
2 3
1
```

Input:4

**Output:**

```
7 8 9 10
4 5 6
2 3
1
```

**Problem 13:** Write a program that displays following output

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

**Problem 14:** Write a program that reads a list of numbers n and displays largest, second largest and third largest.

**Problem 15:**

Write a program which reads an integer $n$, and finds the value of constant $e$ using the following series truncated to n terms:

$$\frac{1}{e} = 1 - \frac{1}{1!} + \frac{1}{2!} - \frac{1}{3!} + \cdots$$

**Problem 16:**

Write a program that accepts x and a number n, and computes sin(x) using the sine series upto first n terms. The series is:

$sin(x) = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + ...$