

## CL2001 – Data Structure Lab

### Lab Task # 09

#### Note:

- Copied task will be awarded **zero** marks.
- Use comments wherever applicable.
- Submit a pdf file containing all your C++ code with all possible screenshots of every task output on Google Classroom. The name of file should be your roll no followed by your name (roll-no-name.pdf) i.e., (24P-1234-Ali.pdf).
- Variables and functions names should be meaningful.

#### Problem: 1

Write a **Recursive Function** to find the sum of first even numbers.

**E.g:** n = 4 The sum of 2, 4, 6, 8 will be 20.

#### Problem: 2

Write a **Recursive Function** to print the pattern.

```
Enter the value of Stars: 5
* * * * 5
* * * 4
* * 3
* 2
1
```

#### Problem: 3

Write a **Recursive Function** to print the pattern.

```
Enter the value of Stars: 5
*****
****
***
**
*
```

