



## **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
*****
****
 ***
 **
 *
```

