## TASK-1

## LAB:-1

```
Activities  Leafpad  

Whose Leafpad  

File Edit View Search Terminal Help

Yedourer@verduser-VirtualBox:- Jeaktop/tsaki5 cd

Yedourer@verduser-VirtualBox:- Jeaktop/tsaki5 cd

| [1] 4400

| [1] 4400

| [2] 4400

| [3] 4400

| [3] 4400

| [4] 4400

| [5] 4400

| [6] 4500

| [6] 4500

| [7] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 4500

| [8] 450
```

CALCULATION OF SUM OF "n" TERMS:-

This program calculates the sum of all natural numbers from 1 to n. The user is prompted to input the value of n, and the program computes the result using one of the following methods:

- 1. **Iterative Approach:** Using a for loop to add numbers sequentially from 1 to n.
- 2. **Formula-Based Approach:** Directly applying the mathematical formula for the sum of the first nnn natural numbers:

$$Sum=(n\times(n+1))/2$$

The program is designed to handle positive integers and includes basic input validation to ensure n is valid.

This program serves as a basic demonstration of iterative loops and formula-based calculations in C programming. It's a great starting point for beginners learning programming concepts like loops, arithmetic operations, and input/output.

## LAB-2

```
Mon 1947*

**Moder Professor Virtual Box:- **

**Valuer Professor Virtual Box:- **

*
```

Same program Compiled using RISC file

```
| Mon 1347* | Veduce** | Veduce*** | Veduce** | Veduce*** | Veduce
```

output