

Practical 3: Sum of First n Even and Odd Numbers Using SciLab

Aim:

To print the sum of the first n even and odd numbers using SciLab.

Materials Required:

- SciLab software (version 6.1 or higher)
- A computer system with SciLab installed

Theory (In Brief):

The sum of even and odd numbers plays a significant role in number theory and mathematical computations. In SciLab, loops and conditional statements are used to calculate these sums efficiently.

An even number is divisible by 2, while an odd number is not divisible by 2. The sums of the first n even and odd numbers can be calculated using formulas or iterative approaches.

Formulas Required:

Sum of first n even numbers: $S_{\text{even}} = n * (n + 1)$

Sum of first n odd numbers: $S_{\text{odd}} = n^2$

Result:

The sum of the first n even and odd numbers was successfully calculated using SciLab.