1. Problem Definition: Develop a program that collects data about book purchases and calculates the average spent by a user.
2. Problem Analysis: Input values for the number of books and the price of each book. Then calculate the total and average costs. Finally, output the total and average.
3. Program Algorithm:

* Initialize variables for the number of books being purchased and the total and average costs.
* Ask the user for the number of books.
* Create a loop that collects the price of each book and accumulates the total.
* After the loop, calculate the average book price.
* Display the total and average cost using nice formatting.

1. Program Code and Test: