BOOK DETAILS-(LAB 3) / 3-11-2025

OUTPUT:

```
PS C:\Users\student\Desktop\1WN24CS120> cd
Enter number of books: 1

Enter details of book 1:
Name: Harry Potter
Author: JK Rowlin
Price: 449
Number of pages: 378

--- Book Details ---

 Book1Details:
Book Name: Harry Potter
Author: JK Rowlin
Price: 449.0
Pages: 378
PS C:\Users\student\Desktop\1WN24CS120>
```

PROGRAMM :

```java
import java.util.Scanner;

class Book {
    private String name;
    private String author;
    private double price;
    private int num_pages;

    // Constructor
    public Book(String name, String author, double price, int num_pages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.num_pages = num_pages;
    }

    // Setters
    public void setName(String name) {
        this.name = name;
    }

    public void setAuthor(String author) {
        this.author = author;
    }

    public void setPrice(double price) {
        this.price = price;
    }

    public void setNumPages(int num_pages) {
        this.num_pages = num_pages;
    }

    // Getters
    public String getName() {
        return name;
    }

    public String getAuthor() {
        return author;
    }

    public double getPrice() {
        return price;
    }
}
```

```java
46
47      public int getNumPages() {
48          return num_pages;
49      }
50
51      // toString method
52      public String tostring() {
53          return "Book Name: " + name +
54                  "\nAuthor: " + author +
55                  "\nPrice: " + price +
56                  "\nPages: " + num_pages;
57      }
58  }
59
60  public class BookMain {
        Run main | Debug main | Run | Debug
61      public static void main(String[] args) {
62          Scanner sc = new Scanner(System.in);
63          System.out.print("Enter number of books: ");
64          int n = sc.nextInt();
65          sc.nextLine(); // consume newline
66
67          Book[] books = new Book[n];
68
69          for (int i = 0; i < n; i++) {
70              System.out.println("\nEnter details of book " + (i + 1) + ":");
71              System.out.print("Name: ");
72              String name = sc.nextLine();
73              System.out.print("Author: ");
74              String author = sc.nextLine();
75              System.out.print("Price: ");
76              double price = sc.nextDouble();
77              System.out.print("Number of pages: ");
78              int pages = sc.nextInt();
79              sc.nextLine(); // consume newline
80
81              books[i] = new Book(name, author, price, pages);
82          }
83
84          System.out.println("\n--- Book Details ---");
85          for (int i=0;i<n;i++) {
86              System.out.println("\n Book" + (i+1) +"Details:");
87              System.out.println(books[i].tostring());
88          }
89
```

```
90              sc.close();
91          }
92  }
93
```