Create a class Book which contains four members: name, author, price, num_pages. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a toString( ) method that could display the complete details of the book. Develop a Java program to create n book objects.

C: > Users > chinn > OneDrive > Documents > java files > BookDetails.java > BookDetails

```java
import java.util.Scanner;

class Book {
    // Data members
    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 (to modify book details)
    public void setName(String name) {
        this.name = name;
    }

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

    public void setPrice(double price) {
```

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

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

// Getters (to retrieve book details)
public String getName() {
    return name;
}

public String getAuthor() {
    return author;
}

public double getPrice() {
    return price;
}

public int getNumPages() {
    return num_pages;
}
```

```
    public String toString() {
        return "Book Name: " + name + "\nAuthor: " + author +
               "\nPrice: ₹" + price + "\nNumber of Pages: " + num_pages;
    }
}

public class BookDetails {
    Run | Debug
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        System.out.print(s: "Enter number of books: ");
        int n = sc.nextInt();
        sc.nextLine(); // consume newline

        Book[] books = new Book[n];

        for (int i = 0; i < n; i++) {
            System.out.println("\nEnter details for Book " + (i + 1) + ":");
            System.out.print(s: "Enter Book Name: ");
            String name = sc.nextLine();

            System.out.print(s: "Enter Author Name: ");
            String author = sc.nextLine();
```

```
            System.out.print(s: "Enter Author Name: ");
            String author = sc.nextLine();

            System.out.print(s: "Enter Price: ");
            double price = sc.nextDouble();

            System.out.print(s: "Enter Number of Pages: ");
            int num_pages = sc.nextInt();
            sc.nextLine(); // consume newline

            books[i] = new Book(name, author, price, num_pages);
        }

        System.out.println(x: "\n----- Book Details -----");
        for (int i = 0; i < n; i++) {
            System.out.println("\nBook " + (i + 1) + " Details:");
            System.out.println(books[i]);
        }

        sc.close();
    }
}
```

```
Enter number of books: 2

Enter details for Book 1:
Enter Book Name: c++
Enter Author Name: karnall
Enter Price: 250
Enter Number of Pages: 500

Enter details for Book 2:
Enter Book Name: ooj
Enter Author Name: sankala
Enter Price: 350
Enter Number of Pages: 400

----- Book Details -----

Book 1 Details:
Book Name: c++
Author: karnall
Price: ?250.0
Number of Pages: 500

Book 2 Details:
Book Name: ooj
Author: sankala
Price: ?350.0
Number of Pages: 400
```