Details of 'n' Books

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LAB → 3 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 pgm to create n book objects

```
import java.util.Scanner;
class book{
    private String name;
    private String author;
    private double price;
    private int numPages;
    public Book(String name, String author, double price,
                int numPages){
    this.name = name;
    this.author = author;
    this.price = price;
    this.numPages = numPages;
    }
    public void setName(String name){
        this.name = name;
    }
    public String getName(){
        return name;
    }
    public void setAuthor(String author){
        this.author = author;
    }
    public String getAuthor(){
        return author;
```

}

```
public void setPrice(double price){
    this.price = price;
}
public double getPrice(){
    return price
}
public void setNumPages(int numPages){
    this.numPages = numPages;
}
public int getNumPages(){
    return numPages;
}
public String toString(){
    return "Book Details: \n Name: " + name + "\n Author: "
    + author + "\nPrice: INR " + price + "\nNumber of
    Pages: " + numPages;
}
}
public class Main {
    public static void main(String[] args){
    Scanner scanner = new Scanner(System.in);
    System.out.println("Enter the number of books: ");
    int n = scanner.nextInt();
    Book[] books = new Book[n];
    for(int i=0; i<n; i++){
      System.out.println("\n Enter details for book "+(i+1)+": ");
      scanner.nextLine();
      System.out.println("Enter name: ");
      String name = scanner.nextLine();
      System.out.println("Enter author: ");
      String author = scanner.nextLine();
      System.out.println("Enter price: ");
      double price = scanner.nextLine();
      System.out.println("Enter number of pages: ");
      int numPages = scanner.nextLine();
```

```
        books[i] = new Book(name, author, price, numpages);
        System.out.println("\n Details of all books:\n");
        for(int i=0; i<n; i++){
            System.out.println("\nBook "+(i+1)+":\n"+books[i]);
        }
        scanner.close();
    }
}
```

Output

```
Enter the number of books: 2

Enter the details for Book 1:
Enter name: the ghosts
Enter author: pots
Enter price: 324.56
Enter number of pages: 678

Enter the details for Book 2:
Enter name: the living
Enter author: pots
Enter price: 356.99
Enter number of pages: 712

Details of all books:

Book 1:
Book Details:
Name: the ghosts
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Price: INR 324.56
Number of Pages: 678

Book 2:
Book Details:
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