

## 1.BOOK QUESTION

```
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 void setAuthor(String author) {
```

```
        this.author = author;
```

```
    }
```

```
    public void setPrice(double price) {
```

```
        this.price = price;
```

```
    }
```

```
    public void setNumPages(int numPages) {
```

```
        this.numPages = numPages;
```

```
    }
```

```
public String getName() {  
    return name;  
}
```

```
public String getAuthor() {  
    return author;  
}
```

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

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

```
public String toString() {  
    return "Book Details\n" +  
        "Name: " + name + "\n" +  
        "Author: " + author + "\n" +  
        "Price: " + price + "\n" +  
        "Pages: " + numPages;  
}  
}
```

```
public class BookDemo {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
  
        int n = sc.nextInt();
```

```
sc.nextLine();
```

```
Book[] books = new Book[n];
```

```
for (int i = 0; i < n; i++) {
```

```
    String name = sc.nextLine();
```

```
    String author = sc.nextLine();
```

```
    double price = sc.nextDouble();
```

```
    int pages = sc.nextInt();
```

```
    sc.nextLine();
```

```
    books[i] = new Book(name, author, price, pages);
```

```
}
```

```
for (Book b : books) {
```

```
    System.out.println(b);
```

```
    System.out.println();
```

```
}
```

```
sc.close();
```

```
}
```

```
}
```

Pages: 1

```
PS C:\Users\naveen\java-programs>
PS C:\Users\naveen\java-programs> javac .\BookDemo.java
PS C:\Users\naveen\java-programs> java BookDemo
2
kingsoffire
chithanya
1200
120
wingsoffire
abdul kalam
200
100
Book Details
Name: kingsoffire
Author: chithanya
Price: 1200.0
Pages: 120

Book Details
Name: wingsoffire
Author: abdul kalam
Price: 200.0
Pages: 100

❖ PS C:\Users\naveen\java-programs>
```