

26/12/23

classmate

Date _____

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week 3

① Book details code

```
import java.util.Scanner;
```

```
class book {
```

```
    String name;
```

```
    String author;
```

```
    int numPages;
```

```
    int price;
```

```
    Book (String name, String author, int price, int numPages) {
```

```
        this.name = name;
```

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

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

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

```
    }
```

```
    public String toString() {
```

```
        String bookDetails = "Book name:" + this.name + "\n" + "Author name:"  
            + this.author + "\n" + "price:" + this.price + "\n" +  
            "Number of pages:" + this.numPages + "\n";
```

```
        return bookDetails;
```

```
    }
```

```
}
```

```
Public class main {
```

```
    public static void main (String args[]) {
```

```
        Scanner s = new Scanner (System.in);
```

```
        System.out.println ("enter the no of books:");
```

```
        int n = s.nextInt();
```

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

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```

for (int i=0; i<n; i++) {
    System.out.println("Enter details for book " + (i+1));
    System.out.println("Name:");
    String name = S.next();
    System.out.println("Author:");
    String author = S.next();
    System.out.println("Price:");
    int price = S.nextInt();
    System.out.println("no of pages:");
    int numPages = S.nextInt();

```

```

books[i] = new book (name, author, price, numPages);
}
System.out.println("In details of the books:");
for (int i=0; i<n; i++) {
    System.out.println("Book " + (i+1) + " :- " + book (i).toString());
}
}
}

```

Output

Enter the no of books: 2

Enter details for book 1

Name: Nithin

Author: Dude

price: 349

no of pages: 800

Enter details for book 2

Name: Manmy

Author: dude2

price: 479

no of pages: 700

Details of the books:

Book 1:

Book name: Nithya

author name: dude

price: 349

Number of pages: 800

Book 2:

Book name: Mamy

author name: dude2

price: 479

Number of pages: 700

For
27/1/2024