

26/12/23

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

```
class Books
```

```
{
```

```
    String name;
```

```
    String author;
```

```
    int price;
```

```
    int numPages;
```

```
    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 name, author, price, numPages;
```

```
        name = "Books name:" + this.name + "\n";
```

```
        author = "Author name:" + this.author + "\n";
```

```
        price = "Price:" + this.price + "\n";
```

```
        numPages = "Number of pages:" + this.numPages +  
                    "\n";
```

```
        return name + author + price + numPages;
```

```
}
```

```
}
```

```
class Main
```

```
{
```

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

```
{
```

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

```
        System.out.println("Enter number of books: ");
```

```

int n = S.nextInt();
Book[] books = new Book[n];
for (int i = 0; i < n; i++)
{
    System.out.println("Enter name of the book:");
    String name = S.next();
    System.out.println("Enter author of the books:");
    String author = S.next();
    System.out.println("Enter the price of book:");
    int price = S.nextInt();
    System.out.println("Enter the number of pages of book:");
    int numPages = S.nextInt();
    books[i] = new Book(name, author, price, numPages);
}
System.out.println("\n Book Details:");
for (int i = 0; i < n; i++)
{
    System.out.println("\n Book (" + (i + 1) + ") : " + books[i]);
}
}
}
}

```

output:

Enter number of books:

2

Enter name of the book: COA

Enter author of the book: David

Enter the price of book: 600

Enter the number of pages in book: 1200

Enter name of the book: COA

Enter author of the book: John

Enter the price of book: 750

Enter the number of pages in book: 950

Book details:

Book 1

Book name: COA

author

Book name: DAVID

Price: 600

Number of Pages: 1200

Book 2

Book name: COA

Author name: JOHN

Price: 750

Number of Pages: 950