

LAB 3

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

```
class Books
```

```
{
```

```
    String name; String author;
```

```
    int price; int numPages;
```

```
    Books (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 = "Book 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);
```

```
int n, Price, numPages;
```

```
String name, author;
```

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

```
Books b[];
```

```
b = new Books[n];
```

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

```
    name = s.next();
```

```
    author = s.next();
```

```
    Price = s.nextInt();
```

```
    numPages = s.nextInt();
```

```
    b[i] = new Books(name, author, Price, numPages);
```

```
}
```

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

```
{
```

```
    System.out.println(b[i].toString());
```

```
}
```

```
System.out.println("Shreyash Sethiya 18M22CS269");
```

Output →

Rich Dad Poor Dad

Richard

600

250

The Lost Office
Rosendra Nath Tagon

300

650

Book Name: Rich Dad Poor Dad

Author Name: Richard

Price: 6.00

Number of Pages: 256

Book Name: The Post Office

Author Name: Rosalinda Wills Tagore

Price: 3.00

Number of Pages: 650

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