

11 LAB - PROGRAM - (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;
```

```
    }
```

```
}
```

```
public class Mainbooks
```

```
{
```

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

```
    {
```

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

```
        int n;
```

```
        int i;
```

```
        String name;
```

```
        String author;
```

```
        int price;
```

```
        int numPages;
```



```

System.out.println("Enter the number of books:");
n = s.nextInt();
Books b[];
b = new Books[n];

for(i=0; i<n; i++)
{
    System.out.println("Enter the details of book" + (i+1)
                        + ":");
    System.out.println("Enter the name of the book:");
    name = s.next();
    System.out.println("Enter the author name:");
    author = s.next();
    System.out.println("Enter the price:");
    price = s.nextInt();
    System.out.println("Enter the number of pages:");
    numPages = s.nextInt();
    b[i] = new Books(name, author, price, numPages);
}

System.out.println("Book Details:");
for(i=0; i<n; i++)
{
    System.out.println(b[i]);
}
}
}

```

Output:

Enter the number of books:
2
Enter the details of book 1:
Enter the name of the book:
Secret
Enter the author name:
William

Enter the price:

350

Enter the number of pages:

123

Enter the details of book 2:

Enter the name of the book:

revolution

Enter the author name:

chetan

Enter the price:

200

Enter the number of pages:

301

Book Details:

Book name: secret

Author name: william

Price: 350

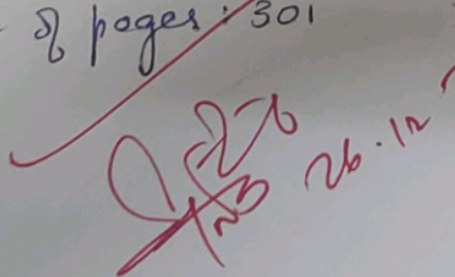
Number of pages: 123

Book name: revolution

Author name: chetan

Price: 200

Number of pages: 301


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