

LAB-PROGRAM - 3.

Create a class Book which contains four members : name, author, price, num-pages. Include a constructor to set the value for the members. Include methods to set and get the details of the object. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

```
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";
```

Schema name + author + price + numPages;

public class MainBook

public static void main (String args[])

Scanner sc = 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 = sc.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 = sc.next();

System.out.println ("Enter the author's name :");

author = sc.next();

System.out.println ("Enter the price :");

price = sc.nextInt();

System.out.println ("Enter the number of pages :");

numPages = sc.nextInt();

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

System.out.println ("Books 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: abc

Enter the name of the book 1: abc

Enter the author name: xyz

Enter the price: 200

Enter the number of pages: 530

Enter the details of book 2:

Enter the name of the book 2: efg

Enter the author name: xyz

Enter the price: 350

Enter the number of pages: 500

Books Details:

Book name: abc

Author name: xyz

Price: 200

Number of pages: 530

Book name: efg

Author name: xyz

Price: 350

Number of pages: 500