

LAB-3

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

CODE:

```
import java.util.Scanner;
class Book
{
    String name;
    String author;
    int price;
    int num-pages;
    void accept()
    {
        Scanner xx = new Scanner (System.in);
        System.out.println ("ENTER DETAILS:");
        System.out.println ("Enter book name:");
        name = xx.next();
        System.out.println ("enter author:");
        author = xx.next();
        System.out.println ("enter price:");
        price = xx.nextInt();
        System.out.println ("enter number of pages:");
        num-pages = xx.nextInt();
    }
}
```

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```
public String toString()
```

```
{
```

```
    return ("book name = " + name + " | book author = " + author  
        + " | book price = " + price + " | number of pages = " + num_  
            pages);
```

```
}
```

```
}
```

```
class Main
```

```
{
```

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

```
{
```

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

```
    System.out.println (" enter number of objects : ");
```

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

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

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

```
    {
```

```
        b[i] = new Book();
```

```
        b[i].accept();
```

```
    }
```

```
    System.out.println (" Book details:");
```

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

```
    {
```

```
        System.out.println (" Book" + (i+1));
```

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

```
    }
```

```
}
```

```
}
```