

- (Q) Create a class Book which contains 4 members: name, author, price, num page. Include a constructor to set the values for the members. Include toString method that could display the complete details of the book. Develop a Java program to create n book objects.

```
import java.util.*
```

```
class Book
```

```
{
```

```
    private String book_name;
```

```
    private String author;
```

```
    private int no_of_pages;
```

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

```
    public Book() {
```

```
        this.book_name = "";
```

```
        this.author = "";
```

```
        this.price = 0;
```

```
        this.no_of_pages = 10;
```

```
    }
```

```
    void getdetails() {
```

```
        System.out.print("\n Enter book name:");
```

```
        book_name = s.nextLine();
```

```
        System.out.print("Enter author's name:");
```

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

```
        System.out.print("Enter book price:");
```

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



```
System.out.print ("Enter the number of pages:");  
no_of_pages = s.nextInt();
```

```
public String toString()
```

```
{  
    return ("-----Book Details-----\n  
    Book name: " + book_name + "\n" Author: "  
    + author + "\n Price: " + price + "\n Pages: "  
    + no_of_pages + "\n");  
}
```

```
public class Main {  
    public static void main (String args[])
```

```
{  
    int n, i = 0;  
    Scanner sc = new Scanner (System.in);
```

```
    System.out.print ("Enter the number of  
    page books: ");  
    n = sc.nextInt();  
    sc.nextLine();
```

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

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

```
        System.out.print (" Enter book  
        details of " + (i+1));
```

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

```
    }
```



```

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

```

```

}

```

```

}

```

o/p

Enter the number of books: 1

Enter the details of book 1

Enter book name : DS

Enter author's name : SHAMSUNDAR

Enter price of book : 236

Enter number of pages : 1245

-----BOOK DETAILS-----

Book name : DS

Author : SHAMSUNDAR

Price : 236.0

Number of pages : 1245