

→ 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 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.*;
```

```
import java.lang.*;
```

```
class Book {
```

```
    String name, author;
```

```
    double price;
```

```
    int num-pages;
```

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

```
    Book() {
```

```
        System.out.println("Enter the name of the book:");
```

```
        name = in.nextLine();
```

```
        System.out.println("Enter name of author:");
```

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

```
        System.out.println("Enter the price of the book in RS:");
```

```
        price = in.nextDouble();
```

```
        System.out.println("Enter the no. of pages in the book:");
```

```
        num-pages = in.nextInt();
```

```
    }
```

```
    void show() {
```

```
        System.out.println("Name: " + name);
```

```
        System.out.println("Author: " + author);
```

```
        System.out.println("Price: " + price);
```

```
        System.out.println("No of pages: " + num-pages);
```

```
    }
```

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```
Public String toString() {  
    return name + ", By" + author + " for Rs." + price + " and has"  
    + num-pages + " pages";  
}
```

```
Public Static void main (String[] args)  
{
```

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

```
    int n, x;
```

```
    System.out.println ("Enter no. of books to be created.");
```

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

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

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

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

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

```
        System.out.println();
```

```
    }
```

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

```
    {
```

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

```
        System.out.println (B[i]);
```

```
        System.out.println();
```

```
    }
```

```
    do {
```

```
        System.out.println ("Enter the book number whose details you  
        want to display:");
```

```
        x = in.nextInt();
```

```
    } while (x < 1 || x > n);
```

```
    B[x-1].show();
```

```
    }  
}
```

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