

SGPA = 9.8

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- # 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 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";
```

```
    return name + author + price + numpages;  
}
```

```
class Practi
```

```
{
```

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

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

```
        int n, 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];
```

```
        System.out.println ("Enter the name,  
            authors, price and number of pages  
            of the book");
```



```
for (i = 0; i < n; i++)  
{  
    name = s.nextLine();  
    author = s.nextLine();  
    price = s.nextInt();  
    numpages = s.nextInt();  
    b[i] = new books (name, author, price,  
                      numpages);  
}  
for (i = 0; i < n; i++)  
{  
    System.out.println(b[i]);  
}  
}
```

Output:

Enter the number of books

2

Enter the name, author, price and number of pages
of the book

ncert hcvema 100 1000

Kalinali Kanakadasa 50 70.

book name : ncert

author name : hcvema

price : 100

number of pages : 1000

book name : Kalinali

author name : Kanakadas

price = 50

number of pages = 70

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