



Q Create a class Book which contains four members: name, author, price, num-pages. Inside a constructor to set the values for the members. Include methods to set 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 objects.

```
import java.util.*;  
import java.lang.*;  
class Book  
{
```

```
    private String name;  
    private String author;  
    private double price;  
    private int num-pages;  
    Book()  
{
```

```
    name = "";  
    author = "";  
    price = 0.0;  
    num-pages = 0;  
}
```

```
    public void getDetails()  
    {
```

```
        Scanner x = new Scanner(System.in);  
        System.out.println("Enter Book Detail");  
        System.out.println("Enter Book Name:");  
        name = x.next();  
        System.out.println("Enter the Author");  
        author = x.next();
```



```

System.out.println("Enter the price of the book");
price = x.nextDouble();
System.out.println("Enter the number of pages  
in the book");
num-pages = x.nextInt();
}

```

```

public String toString()
{
    return ("The name of the book : " + name + "\n The  
author of the book : " + author + "\n The price  
of the book : " + price + "\n Number of pages in  
Book : " + num-pages);
}
}

```

```

class Bookmain
{
    public static void main (String args [])
    {
        int i, n;
        Scanner x = new Scanner (System.in);
        System.out.println("Enter the number of books");
        n = x.nextInt();
        Book b[] = new Book[n];
        for (i=0; i<n; i++)
        {
            b[i] = new Book();
            b[i].getDetails();
        }
        for (i=0; i<n; i++)
    }
}

```



```

    }
    System.out.println("DETAILS OF BOOK" + (i+1));
    System.out.println(b[i]);
}
}
}

```

### OUTPUT:

Enter the number of books

2

Enter the Book Details

Enter Book Name :

Communications

Enter the Author :

J. K. Brownie

Enter the Price of the book

450.75

Enter the number of pages in the book

250

Enter Book Details

Enter Book Name :

Reports

Enter the Author :

Simon K

Enter the Price of the book :

660.40

Enter the number of pages in the book :

320

DETAILS OF BOOK1

The name of the book : Communications

Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

The author of the book : I. K. Brownie

The price of the book : 450.75

The Number of pages in book : 250

DETAILS OF BOOK 2

The name of the book : Reports

The author of the book : Simon, K

The price of the book : 660.4

Number of pages in book : 320