

Q) 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 toString() method that could display the complete details of the book. Develop a Java prog. to create a book objects.

code:

```
import java.util.Scanner;

class Book
{
    private
    String name, auth;
    float price, num-pages;
    public
    Scanner s = new Scanner (System.in);

    Book()
    {
        name = "xyz";
        auth = "abc";
        price = 0;
        num-pages = 0;
    }

    void getdet()
    {
        System.out.print ("Enter Book Name: ");
        name = s.next();
        System.out.print ("Enter Author Name: ");
        auth = s.next();
        System.out.print ("Enter Price: ");
        price = s.nextFloat();
    }
}
```

```

        System.out.print("Enter No. of pages: ");
        num_pages = s.nextFloat();
    }

    public String toString()
    {
        return ("Book Name: " + name + "\nAuthor Name = "
            + auth + "\n price = " + price + "\n No. of Pages = "
            + num_pages);
    }
}

class BookMain
{
    public static void main (String args[])
    {
        int n;
        Scanner s = new Scanner (System.in);
        System.out.println ("Enter No. of Books: ");
        n = s.nextInt();
        Book b[] = new Book [n];
        for (int i=0 ; i<n ; i++)
        {
            b[i] = new Book();
            System.out.println ("Book No- " + (i+1));
            b[i].getdet();
        }
        for (int i=0; i<n; i++)
        {
            System.out.println ("\nDetails of Book " + (i+1) + "};
            System.out.println (b[i]);
        }
    }
}

```

```
BookInfo.java
Saved

1 import java.util.Scanner;
2 class Book
3 {
4     private
5     String name,auth;
6     float price,num_pages;
7     public
8     Scanner s=new Scanner(System.in);
9     Book()
10    {
11        name="xyz";
12        auth="abc";
13        price=0;
14        num_pages=0;
15    }
16    void getdet()
17    {
18        System.out.print("Enter Book Name:");
19        name=s.next();
20        System.out.print("Enter Author Name:");
21        auth=s.next();
22        System.out.print("Enter Price:");
23        price=s.nextFloat();
24        System.out.print("Enter No. of pages:");
25        num_pages=s.nextFloat();
26    }
27    public String toString()
28    {
29        return("Book Name="+name+"\nAuthor Name="+auth+"\nprice="+price+"\nNo. of Pages="+num_pages);
30    }
31 }
32 class BookMain
33 {
34     public static void main(String args[])
35     {
36         int n;
37         Scanner s=new Scanner(System.in);
38         System.out.println("Enter No. of Books:");
39         n=s.nextInt();
40         Book b[]=new Book[n];
41         for(int i=0;i<n;i++)
42         {
43             b[i]=new Book();
44             System.out.println("Book No-"+(i+1));
45             b[i].getdet();
46         }
47         for(int i=0;i<n;i++)
48         {
49             System.out.println("\nDetails of Book "+(i+1)+",");
50             System.out.println(b[i]);
51         }
52     }
53 }
```



Enter No. of Books:

2

Book No-1

Enter Book Name:Famous

Enter Author Name:Gyllenhaal

Enter Price:699

Enter No. of pages:436

Book No-2

Enter Book Name:North

Enter Author Name:Trippier

Enter Price:899

Enter No. of pages:1232

Details of Book 1,

Book Name=Famous

Author Name=Gyllenhaal

price=699.0

No. of Pages=436.0

Details of Book 2,

Book Name=North

Author Name=Trippier

price=899.0

No. of Pages=1232.0

Process finished.