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- 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 a toString() method that could display the complete details of the book. Develop a Java program to create n book objects. Explore toString method usage in Java.

```
→ import java.util.Scanner;

class book
{
    String name;
    String author;
    int int num-pages;
    int price;
    book (String name, String author, int num-pages, int price)
    {
        this.name = name;
        this.author = author;
        this.num-pages = num-pages;
        this.price = price;
    }
    public String toString ()
    {
        String name, author, num-pages, price;
        name = "Name: " + this.name + "\n";
        author = "Author: " + this.author + "\n";
        num-pages = "Number of pages: " + this.num-pages + "\n";
        price = "Price: " + this.price + "\n";
        return name + author + num-pages + price;
    }
}

class bookdemo
{
    public static void main (String a [])
    {
        Scanner s = new Scanner(System.in);
        int n, price, num-pages;
        String name, author;
        System.out.println ("Enter number of books:");
        n = s.nextInt();
```

```

book b[] = new book[n];
for (int i = 0; i < n; i++)
{

```

```

    System.out.println("Enter book details:");
    System.out.println("Enter name:");
    name = s.next();
    System.out.println("Enter author:");
    author = s.next();
    System.out.println("Enter number of pages:");
    num-pages = s.nextInt();
    System.out.println("Enter price:");
    price = s.nextInt();
    b[i] = new book(name, author, num-pages, price);
}

```

```

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

```

```

    System.out.println("Book " + (i+1) + " details");
    System.out.println(b[i]);
}

```

```

}

```

```

}

```

```

}

```

Output:

Enter number of books:

2

Enter book details:

Enter name:

Infinity

Enter author:

Akshay

Enter number of pages:

100

Enter price:

25

Enter book details:

Enter name:

Camline

Enter author:

Anag

Enter number of pages:

200

Enter price:

40

Book 1 details:

Book name: Infinity

Author: Akshay

Number of pages: 100

price: 25

Book 2 details:

Book name: Camline

Author: Anag

Number of pages: 200

Price: 40

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