

LAB - 3

- 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

Program Book (String name, String author, int price, int npage)

{

this.name = name;

this.author = author;

this.price = price;

this.npage = npage;

}

public String toString()

{

String name, author, price, npage;

name = "Book name: " + this.name + "\n";

author = "Author name: " + this.author + "\n";

price = "Price: " + this.price + "\n";


```
npage = "Number of pages : " + this.npage + "\n";
```

```
return name + author + price + npage;
```

```
}
```

```
}
```

```
class bookrun {
```

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

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

```
String name, author;
```

```
int price, npage;
```

```
int n;
```

```
System.out.println("Enter the number of books");
```

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

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

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

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

```
name = s.next();
```

```
System.out.println("Enter book Author");
```

```
author = s.next();
```

```
System.out.println("Enter book Price");
```

```
price = s.nextInt();
```

```
System.out.println("Enter the number of Pages in the book");
```

```
npage = s.nextInt();
```



```
b[i] = new Book(name, author, price, npage);
```

```
}
```

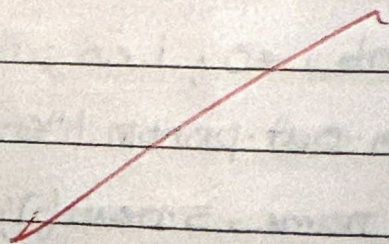
```
for (int i = 0; i < n; i++) {
```

```
    System.out.println(b[i].toString());
```

```
}
```

```
}
```

```
}
```



Output

Enter the number of books:

1

Enter book name:

abc

Enter book: Author

xyz

~~Enter the number of pages of the book~~

Enter book price

350

Enter the number of pages of the book

100

Book name: abc

Author name: xyz

Price: 350

Number of pages: 100