

26/12/23

Lab Prog -3

- & create a class Book which contains 4 members; name, author, price, numPages. 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 one book. Develop a java program to create n book objects.

```
import java.util.Scanner;  
class Book {  
    String name;  
    String author;  
    int pages;  
    int numPages;
```

```
    Book (String name, String author,  
          int price, int numPages)
```

```
    {  
        this.name = name;  
        this.author = author;
```

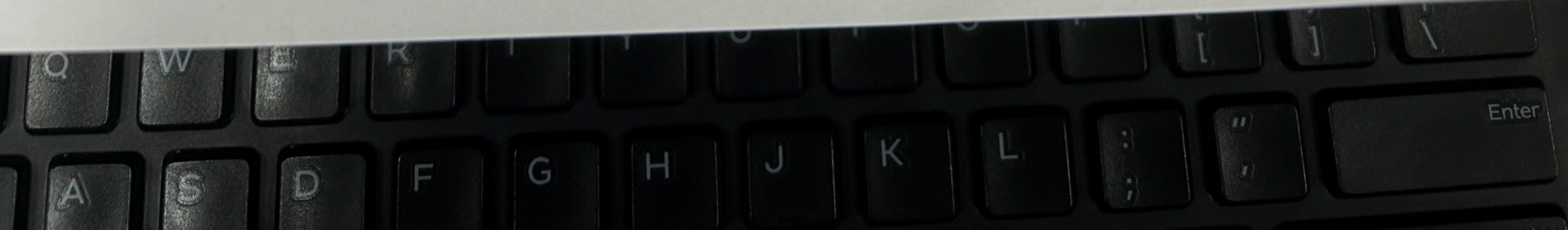
```
        this.price = price;
```

```
; }  
    this.numPages = numPages;
```

~~public String toString()~~

```
    {  
        return "Book name: " + name + "\n" +
```

```
; }  
    "Author name: " + author + "\n"
```



" + "Price: " + price + " /" +
 "Number of Pages: " + numPages
 + " /" + numPages

Class BooksMain &
 public static void main (String args[])

Scanner s = new Scanner (System.in);
 int n;

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

n = s.nextInt();

Books [] books = new book[n];

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

System.out.println ("Enter the
 name of the book");

String name = s.next();

System.out.println ("Enter the
 author of the book");

String author = s.next();

System.out.println ("Enter the
 price of the book");

int price = s.nextInt();

System.out.println ("Enter the
 pages of the book").

int numPages = s.nextInt();

Quick Work

Page No.:
Date:
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book[i] = new Book (name, author, price,
numPages);

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

System.out.println(book[i].

toString());

}

}

}

}

Output :

Enter no. of books:

2

Enter the name of the book

wow

Enter the autor of the book

bwo

Enter the price of the book

94

Enter the pages of the book

234

Enter the name of the book

idk

Enter the autor of the book

Suresh

Enter the price of the book

34

Enter the pages of the book

291 (950) 1000' F. Island

Book number : 1000
name : owo

Book owner: wow
Author name: owo

~~Andrew~~ 94
~~Price is~~ ~~at~~

Author's name
Price: 94
Number of pages: 234

Book name: ; dk

Book name: idle
Author name: Suresh

~~Price~~: 32

~~Arusmo~~
Price: 32
~~Number~~ of pages: 391

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