

26/12/2023

Lab Program 3:

Q. Program in Java to display book details.

Ans.

```
import java.util.Scanner;
class Books {
    private String name;
    private String author;
    private int price;
    private int num-pages;

    public Books (String name, String author, int price,
                  int num-pages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.num-pages = num-pages;
    }

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

class BookMain {
    public static void main (String args[]) {
        Scanner s = new Scanner (System.in);
        int n;
        System.out.println("Enter the number of books: ");
        int n;
```



```

n = s.nextInt();
Books b[] = new Books[n];
for (int i = 0; i < n; i++) {
    System.out.println("Enter details for book " + (i+1) + ":");
    System.out.print("Name: ");
    String name1 = s.next();
    System.out.print("Author:");
    String author = s.next();
    System.out.print("Price ");
    int price = s.nextInt();
    System.out.print("Number of pages: ");
    int num_pages = s.nextInt();
    b[i] = new Books(name1, author, price, num_pages);
}
System.out.println("\n Details of the Books:");
for (int i = 0; i < n; i++) {
    System.out.println("\n Book " + (i+1) + ": \n" + b[i]);
}
s.close();
}
}

```

Output:

Enter the number of books :

2

Enter details for book 1:

Name: Little Women

Author: Name1

Price : 360

Number of pages: 320

Enter details for book 2:

Name: Thumbelina

Author : Named

Price : 500

Number of Pages : 540

Details of the books :

Book 1 :

Book name : Little Woman

Author ~~name~~ : Named

Price : 360

Number of pages : 320

Book 2 :

Book name : Thumblolina

Author name : Named

Price : 500

Number of Pages : 540

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