NO

DATE 23/10/2024

Lab 3:

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.

NO

DATE

```
import java.util.Scanner;

class Book{
    String name;
    String author;
    int price;
    int numPages;

    Book(String name, String author, int price, int numPages){
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }

    @Override
    public String toString(){
        String bookDetails = "Book Name: " + this.name + "\n" +
            "Author Name: " + this.author + "\n" +
            "Price: " + this.price + "\n" + "Number of
            Pages: " + this.numPages + "\n";
        return bookDetails;
    }
}
```

NO

DATE

```
public class BooksData {
    public static void main (String[] args) {
        Scanner s = new Scanner (System.in);

        System.out.print ("Enter the No. of Books: ");
        int n = s.nextInt();

        Book[] books = new Book[n];

        for (int i=0; i<n ; i++){
            System.out.print ("Enter Name of Book "+(i+1)+ ": ");
            String name = s.next();
            System.out.print ("Enter Author of Book "+(i+1)+ ":");
            String author =s.next();
            System.out.print = ("Enter Price of Book "+(i+1)+":");
            int price = s.nextInt();
            System.out.print=("Enter No. of Pages in Book"+(i+1)+":");
            int numPages= s.nextInt();

            books[i]= new Book( name, author, price,
            numPages);
    }
```

NO

DATE

```
        System.out.println("\n Book Details: ");
        for (Book
                System.out.println(book);
        }

        s.close();
    }
}
```

Output

Enter the Number of Books: 3
Enter Name of Book 1: Divergent
Enter Author of Book 1: R.Veronica
Enter Price of Book 1: 499
Enter No. of Pages in Book 1: 390
Enter Name of Book 2: Emma
Enter Author of Book 2: J. Austen
Enter Price of Book 2: 399
Enter No. of Pages in Book 2: 300
Enter Name of Book 3: Rebecca
Enter Author of Book 3: D. Maurier
Enter Price of Book 3: 699
Enter No of Pages in Book 3: 469

NO

DATE

Book Details:

Book Name: Divergent

Author Name: R. Veronica

Price: 499

Number of Pages: 390

Book Name: Emma

Author Name: J. Austen

Price: 399

Number of Pages: 300

Book Name: Rebecca

Author Name: D. Maurier

Price: 699

Number of Pages: 469

o/p seen