26/12/23

LAB -3

Q) Create a Java program to create n books object

⇒ impout java.util.Scanner;

```java
class Book {
    string mame;
    string author;
    int price;
    int numPages;

    public Book (sting name, string author, int price,
    int numPages ) {
        this name = name:
        this. price = price;
        this. numpages = numPages;
    }
    public sting toString () {
        string bookDetails = "Book name : " + this.name + "\n+
                             "Author name: " + this. author + "\n"+
                             "price: " + this. price + "\n"+
                             "Number of pages: " + this numPages +"
        retuun bookDetails;
    }
}

public class main {
    public static void main (string[] args) {
        scanner s = new Scanner (System. in);

        System. out. println ("Enter the number of books: ");
        int n = s. nextInt ()

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

```
for (int i=0; i<n; i++) {
System.out.println ("Enter details " + (i+1)+ ":");
System.out.println (" Name: ");
string name = 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 numpages = s.nextInt();


books[i] = new Book (name, author, price, numpages);

}


System.out.println ("\nBooks details: ");
for (int i=0; i<n; i++) {
system.out.println ("Book"+ (i+1)+ ": \n" + books[i]);

}

}

}
```

Output:-
Enter the number of Books:

2.

Enter details for book 1:

name: Java

Author: dkdk

price: 2500

number of pages: 554

Enter details for book 2:

name: Biology

Author: NCERT

price: 250

number of pages: 150

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