

26-12-23

LAB-12-23

LAB-3

```
1. import java.util.Scanner;
class Book {
    String name;
    String author;
    double int price;
    int numPages;
}

Books(string name, string author, int price, int
numPages) {
    this.name = name;
    this.author = author;
    this.price = price;
    this.numPages = numPages;
}

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

class Main
{
    public static void main(String args[])
    {
        Scanner s = new Scanner(System.in);
        int n;
        string name;
        string author;
```

A System.out.println("Enter no. of books");

classmate
Date _____
Page _____

```
int price;  
int numPages;  
* n = s.nextInt();  
Books b[];  
b = new Books[n];  
system.out.println("Enter details of the book")  
for(int i = 0; i < n; i++)  
system.out.println("Enter name of the book:");  
name = s.next();  
system.out.println("Enter the author:");  
author = s.next();  
system.out.println("Enter price:");  
price = s.nextInt();  
system.out.println("Enter no. of pages:");  
numPages = s.nextInt();  
b[i] = new Books(name, author, price, numPages);  
}  
system.out.println("Book Details:");  
system.out.println("Book Name \t Author \t Price  
\t + No. of pages");  
for(int i = 0; i < n; i++)  
system.out.println(b[i].name + "\t" + b[i].  
author + "\t" + b[i].price + "\t" + b[i].  
numPages);  
}  
}
```


Output:

Enter number of books

3

Enter details of the book:

Enter name of the book:

Slows

Enter price author:

Siri

Enter price:

450

Enter no. of pages:

350

Enter name of the book:

Sunset

Enter author:

Sami

Enter price:

890

Enter no. of pages:

246

Enter name of the book:

Glory

Enter author:

Sahana

Enter price:

750

Enter no. of pages:

346

Book details:

| Book Name | Author | Price | No of pages |
|-----------|--------|-------|-------------|
| Slone | Siri | 350 | 350 |
| Sunset | Sansir | 246 | 246 |
| glory | Sahana | 346 | 346 |