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Lab program - 3

```
import java.util.Scanner;
```

```
class Books{
```

```
    String name;
```

```
    String author;
```

```
    int price;
```

```
    int numPages;
```

```
    public 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;
```

```
    }
```

```
    void setName(String name){
```

```
        this.name = name;
```

```
    }
```

```
    void setAuthor(String author){
```

```
        this.author = author;
```

```
    }
```

```

void setPrice(int price) {
    this.price = price;
}
void setNumPages(int numPages) {
    this.numPages = numPages;
}
String getName() {
    return name;
}
String getAuthor() {
    return author;
}
String getPrice() {
    return price;
}
String getPgNum() {
    return numPages;
}

```

```

}
class Main {
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        int n, price, numPages;
        String name, author;
        System.out.println("Enter the no. of books");
        n = sc.nextInt();
        sc.nextLine();
        Books b[] = new Books[n];
        for (int i = 0; i < n; i++) {
            System.out.println("Read name of book");
            name = sc.nextLine();
            System.out.println("Read author of book");
            author = sc.nextLine();

```



```

        System.out.println("Read the price of book");
        price = sc.nextInt();
        System.out.println("Read pgNumber of the book");
        numPages = sc.nextInt();
        sc.nextLine();
        System.out.println("-----");
        b[i] = new Books(name, author, price, numPages);
    }

```

```

    }
    for(int i=0; i<n; i++){
        String bookDetails = b[i].toString();
        System.out.println(bookDetails);
    }

```

```

    }
    for(int i=0; i<n; i++){
        System.out.println("Book name " +
            b[i].getName() + "\n" +
            "Book author is " + b[i].getAuthor() +
            "Book price is " + b[i].getPrice() +
            "Book has no. of pages = " +
            b[i].getPgNum() + "\n");
        System.out.println("Name: Shashidhar B M | IBM22CS257");
    }
}

```

Output: Name: Shashidhar B M | USN: IBM22CS257
 Enter the number of books:
 2
 Read name of the book:
 wings of fire

Read author of the book

A P T Abdul Kalam

Read the price of the book

250

Read the pg Number of the book

100

Read name of the book.

da Vinci Code

Read author of the book

Don Brown

Read the price of the book

1250

Read the pg Number of the book.

200.

Book name: wings of fire

Author name: A P T Abdul Kalam

price : 250

Number of pages: 100

Book name: da Vinci Code

Author name: Don Brown.

price = 1250

Number of pages: 200.

~~Book name: wings of fire~~

~~Author name: A P T Abdul Kalam~~

~~price : 250~~

~~Number of pages: 100~~

Book name: da Vinci code

Author name: Don Brown

price : 1250

Number of pages: 200