

## ALGORITHM:

Step 1: start

Step 2: Read name, author, price, num-pages from constructor

Step 3: to string() method  
return ("In Author: " + author + "In Price: " + price  
+ "In Total pages: " + num-pages);

Step 4: end class Book.

Step 5: class BookDetails

take input ~~from~~ for each object for  
its instance variable

Step 6: for  $i = 0$  to  $n$   
display obj[i]

Step 7: end.



### LAB-3.

```
import java.util.*;
class Book
{
    String name;
    String author;
    double price;
    int num-pages;
    Book (String name, String author, double price, int
num-pages)
    {
        this.name = name;
        this.author = author;
        this.price = price;
        this.num-pages = num-pages;
    }
    public String toString()
    {
        return ("Author: " + author + "\n Price: " + price + "\n
Total pages: " + num-pages);
    }
}
class BooksDetails
{
    public static void main(String args[])
    {
        String a, b, m;
        double c; int d;
        System.out.print("How many books details
do you want to enter: ");
    }
}
```



```
Scanner input = new Scanner(System.in);
```

```
m = input.nextInt();
```

```
Book book[] = new Book[m];
```

```
for (int i = 0; i < m; i++)
```

```
{  
    System.out.println("Enter the details of Book "  
        + (i+1) + " :");
```

```
    System.out.print("Name: ");
```

```
    a = input.nextLine();
```

```
    System.out.print("Price: ");
```

```
    c = input.nextInt();
```

```
    System.out.print("Author: ");
```

```
    b = input.next();
```

```
    System.out.print("Pages: ");
```

```
    d = input.nextInt();
```

```
    book[i] = new Book(a, b, c, d);
```

```
}
```

```
for (int i = 0; i < m; i++)
```

```
{  
    System.out.println("Details of Book " + book[i].  
        name + " :");
```

```
    System.out.println(book[i]);
```

```
}
```

```
}
```

```
}
```