

```
lab3.java - Notepad
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import java.util.Scanner;

class book
{
    String name,author;
    int nop;
    double price;

    book()
    {
        name=" ";
        author=" ";
        nop=0;
        price=0.00;
    }

    void accept()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter name,author,nop,price");

        name=sc.next();
        author=sc.next();
        nop=sc.nextInt();
        price=sc.nextDouble();
    }

    public String toString() // when an object is printed this method is automatically called
    {
        return("name="+name+"\nauthor="+author+"\nnumber of pages="+nop+"\nprice="+price);//return statement with String is required
    }
}

class bookmain
```

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lab3.java - Notepad

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```
price=sc.nextDouble();
```

```
}
```

```
public String toString() // when an object is printed this method is automatically called
```

```
{
```

```
return("name="+name+"\nauthor="+author+"\nnumber of pages="+nop+"\nprice="+price);//return statement with String is required
```

```
}
```

```
}
```

```
class bookmain
```

```
{
```

```
public static void main(String[] args)
```

```
{
```

```
int n;
```

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

```
System.out.println("enter number of objects: ");
```

```
n=sc.nextInt();
```

```
book b[]=new book[n];
```

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

```
{
```

```
b[i]=new book();
```

```
b[i].accept();
```

```
}
```

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

```
{
```

```
System.out.println("\ndetails of book "+(i+1)+":");
```

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

```
}
```

```
}
```

```
}
```

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