

2. Import java.util.Scanner;

Class Books {

String name;

String author;

int price;

int numpages;

Books() {}

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 = "Bookname: " + this.name + "\n";

author = "Authorname: " + 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;

int price;

int numpage;

```

System.out.println("Enter the number of books:");
numpages n = s.nextInt();
Books b[];
b = new Books[n];
for (int i = 0; i < n; i++) {
    System.out.println("Book " + (i+1) + ":");
    System.out.print("Enter the name of Book:");
    name = s.next();
    System.out.print("Enter author:");
    author = s.next();
    System.out.print("Enter price:");
    price = s.nextInt();
    System.out.print("Enter no. of pages:");
    numpages = s.nextInt();
    b[i] = new Book(name, author, price, numpages);
}
}
for (int i = 0; i < n; i++)
    System.out.println("Book " + (i+1) + ": \n" + b[i]);
}
}

```

O/P →

Enter the number of books: 1

Book 1:

Enter name of book : Jungle book

Enter author : Rudyard Kipling

Enter price : 900

Enter no of page : 500

Book 1

Bookname : Jungle book

Author: Rudyard Kipling

price : 900

Number of Pages : 500

BOOK DETAILS

```
import java.util.Scanner;

class Book{

    private String name;

    private String author;

    private double price;

    private 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 void setName(String name){

        this.name=name;

    }

    public void setAuthor(String author){

        this.author=author;

    }

    public void srtPrice(double price){

        this.price=price;

    }

    public void setNum_Pages(int num_pages){

        this.num_pages=num_pages;

    }

    public String getName(){

        return name;

    }

}
```

```
public String getAuthor(){
return author;
}
public double getPrice(){
return price;
}
public int getNum_Pages(){
return num_pages;
}
@Override
public String toString(){
return "Book Details:\n" +
"Name: " + name + "\n" +
"Author: " + author + "\n" +
```

BOOK DETAILS

```
"Price: " + price + "\n" +
"Number Of pages:: "+ num_pages;
}
}
```

```
public class BookDetails {
public static void main( String argra[]){
int n;
Scanner sc=new Scanner(System.in);
System.out.println("Enter number of books:");
n=sc.nextInt();
Book [] books=new Book[n];
```

```
for(int i=0;i<n;i++){  
    System.out.println("Enter details of book "+(i+1) +":");  
    System.out.println("Name:");  
    String name=sc.next();  
    System.out.println("Author:");  
    String author=sc.next();  
    System.out.println("Price:");  
    double price=sc.nextDouble();  
    System.out.println("Number of pages:");  
    int num_pages=sc.nextInt();  
    books[i]=new Book(name,author,price,num_pages);  
}  
for(Book b:books){  
    System.out.println(b); //  
    System.out.println(b.toString);  
  
}  
}  
}
```

OUTPUT :

Enter number of books:

2

Enter details of book 1:

Name:

BOOK DETAILS

Harry Potter

Author:

Rowling

Price:

250

Number of pages:

500

Enter details of book 2:

Name:

Two Cities

Author:

Charle

Price:

100

Number of pages:

250

Book Details:

Name: Harry Potter

Author: Rowling

Price: 250.0

Number Of pages: 500

Book Details:

Name: Two Cities

Author: Charle

Price: 100.0

Number Of pages: 250