

WEEK-4

/* Create a class Book which contains four members: name, author, price, num_pages.

Include a constructor to set the values for the members.

Include methods to set and get the details of the objects.

Include a toString() method that could display the complete details of the book.

Develop a Java program to create n book objects.*/

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

```
class books { int k,l;
```

```
String name,author;
```

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

```
int price; int numpages;
```

```
books()
```

```
{
```

```
price=0; numpages=0;
```

```
}
```

```
void get()
```

```
{  
System.out.println("Enter the name of the book:");  
name=sc.nextLine();  
System.out.println("Enter the name of the author:");  
author=sc.nextLine();  
System.out.println("Enter the price of the book:");  
price=sc.nextInt();  
System.out.println("Enter the no of pages of the book:");  
numpages=sc.nextInt();  
  
}
```

```
public String toString()
```

```
{  
  
return name+"\n"+author + "\n"+price+"\n"+numpages+"\n";
```

```
/*System.out.println(" name of the boook:");
```

```
System.out.println(name);
```

```
System.out.println(" name of the author:");
```

```
System.out.println(author);
```

```
System.out.println("price of book:");
```

```
System.out.println(price);
```

```
System.out.println("pages of book");
```

```
System.out.println(numpages);*/
```

```
}
```

```
}
```

```
class book
```

```
{
```

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

```
{
```

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

```
int i,n;
```

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

```
n=sc.nextInt(); books[] arr=new books[n];
```

```
books ident=new books(); for(i=0;i<n;i++) {
```

```
arr[i]=new books(); arr[i].get();
```

```
}
```

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

```
{
```

```
    System.out.println("\nThe details of book "+(i+1));
```

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

```
System.out.println();
```

```
}
```

}

}

```
C:\Users\Admin\Desktop>java book
enter number of books:
2
Enter the name of the book:
wings of fire
Enter the name of the author:
kalam
Enter the price of the book:
322
Enter the no of pages of the book:
223
Enter the name of the book:
nannna kathe
Enter the name of the author:
unknown
Enter the price of the book:
234
Enter the no of pages of the book:
434

The details of book 1
wings of fire
kalam
322
223

The details of book 2
nannna kathe
unknown
234
434
```