WEEK 3:

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.

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+	Coreate a class Book which contains fower members:
	namo, authore, perice, num pages.
-	name, author, peice, num pages. Include a nonstructor to set the values for the
1	members Tudide methods to set and get the
	details of the object. Include a toStrine (9) method that would display the womplife details
	of the book
-	A DESCRIPTION OF THE PROPERTY
1	import jana vtil Arraylist;
	import java otil List, import java ovillo Scanner;
	class baok E
	String name;
	String author;
	double price; int numlages;
	Book (Stringrame, Stringauthor, double price, intrumpages) {
	thus name = name;
	this author;
200	this · price = perice;
	this · price = pluce; this · numPages = numPages;
	void sil Name (String rame) { this name = name;
	Vood silvamelsing rooms;
	2
	void Let Author (String author) 2
	void Let Author (String author) & this · author = author;
	3
	THE RESERVE THE RESERVE THE PARTY OF THE PAR

```
void set Paice (double paice) &
this paice = paice;
 wid set numbages (int numbages) &
this numbages = numbages;
 int get NumPages () E
sutwentimPages;
 dauble get Perice () {
sultivin perice;
Public String to String () ?

" sulwynt " Book, ?" +

" Name = " + name + '," +

" Author = " + author t ' | " +

" Phice = " + plice +

" Number of pages = " + numpages

" y
```

Man BookStore & public static void main (String [] augs) &
Scanners: = new Scanner (System In);
List < Book > books = new Array List < > ();
System out - printle ("Enter the no of books: "); int n= sc nuntint (); Sc nunt line(); for ("nt"=0" izn": i++)?

System out printh! Enter ditails for book " t(i+1)+":)

System out print h(" Norme: "); String name = Sc nent line ();

System out print hol " Author: ")

String author = Sc nent Line ();

System out print hol Price: "); double perice = Sc nent Double(); System - out paintre L' Number of pages: int num Pages = sc nent Int (); Book book = new Book (norme, author, perice, numbages);
books. add (book); System out println("In Book Details: ");
for (Book book: books) &

System out println (book); sc done ()

Enter the number of books & 2 Enter details for book 1: Name: Notine for goodbye Author: Lindwood Breeday Parice: 450 No of Pages: 290 Enter details for book 2: Name: Holy Author: Louis Sacheur Peria: 200 No of Pages: 250 Book Details: Book & Name = "Notime for goodbye", ** Autho "Lindwood Barday", Perice = 450.0, No of pages = 290 3 Book & Name = "Holes", Author = "Louis Sachain Price = 200.0, No of Pages = 250 3

```
import java.util.Scanner;
class Book{
  String name, author;
  double price;
  int numpage;
  Book(String name, String author, double price, int numpage)
  {
    this.name =name;
     this.author = author;
     this.price =price;
    this.numpage = numpage;
  }
  Book(){
    this.name="";
    this.author ="";
     this.price =0.0;
    this.numpage =0;
  }
  void int_details(){
     Scanner sc = new Scanner(System.in);
     System.out.println("enter name of the book:");
    name = sc.nextLine();
     System.out.println("enter author name:");
```

```
author = sc.nextLine();
     System.out.println("enter price:");
    price= sc.nextDouble();
    System.out.println("enter no of pages:");
    numpage =sc.nextInt();
  }
  void get details(){
     System.out.println("name of the book:" +name);
     System.out.println("name of the author :" +author);
     System.out.println("price:"+price);
    System.out.println("no of pages in the book:"+numpage);
  }
  public String toString(){
    return"book name:" + name+ "\n "+ "author:" +author+ "\n"+ "price:" +price+ "\n"+
"no of pages:" +numpage;
  }
public class myBook{
  public static void main(String[] args) {
     Scanner sc = new Scanner(System.in);
    System.out.println("enter no of books:");
    int n= sc.nextInt();
    Book[] books = new Book[n];
    for (int i=0;i<n;i++)
```

```
books[i] = new Book();
   books[i].int details();
   books[i].get_details();
 }
 System.out.println("all book details:" );
 for(Book book: books)
    System.out.println(book);
C:\Windows\System32\cmd.exe
enter no of books:
enter name of the book:
book1
enter author name:
amelia
enter price:
250
enter no of pages:
68
name of the book:book1
name of the author :amelia
price:250.0
no of pages in the book:68
enter name of the book:
book2
enter author name:
sam
enter price:
450
enter no of pages:
350
} 

Search
```

