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.

Source Code:

```
import java.util.Scanner;
class Book { int
price; String author;
String name; int
pages;
   public Book(int price, String author, String name, int pages) {
                                                                      this.price = price;
this.author = author;
                         this.name = name;
                                                 this.pages = pages;
  public void setter() {
    System.out.println("enter the price, author, name and pages of the book");
                                                                                  Scanner sc = new
Scanner(System.in);
                          this.price=sc.nextInt();
                                                      this.author= sc.next();
                                                                                   this.name=sc.next();
this.pages=sc.nextInt();
  public void getter() {
    System.out.println("Book Details:");
    System.out.println("Price:"+price);
    System.out.println("Author:"+author);
    System.out.println("Name:"+name);
    System.out.println("Pages:"+pages);
      public String toString() {
                                          return "these are book
```

OUTPUT:

```
enter the number of books
Book Details:
Price:200
Author:sachin
Name:The Pride
Pages:111
enter the price,author,name and pages of the book
150
virat
TheCentury
Book Details:
Price:150
Author:virat
Name:TheCentury
Pages:120
these are book details
```

OBSERVATION:

Collecte a closs book which contains four members:
name, author, perice, num pages.
Turbusle a constructor to set the values for the
members turbusle methods to set and get the
details of the object. Turbusle a toString()
method that would display the complete details
of the book

import java vtil Arraylist; import java vtil List, import java vtil Scanner; clars Book & String rame; String author; double price; int numlages;

Book (Stringname, Stringauthor, doubleplice, intrumpages) {
 this name = name;
 this author = author;
 this price = puice;
 this numpages = numpages;

void sil Name (String rame) {
this name = name;

void LitAuthor (String author) & this author;

```
void set Paice (double paice) &
this paice = paice;
 uvid set numbages (int numbages) {
this. numbages = numbages;
 double get Perice () ?
entromperice;
Rublic String to String () ?

" Book ?" t

" Name = " + name + ' \" t

" Author = " + author t ' | " +

" Phice = " + perice t

" Number of pages = " + numbages

'3'
```

Man Bookstore & public static void main (String [] augs) { Scanner Sc= new Scanner (System in); List < Book > books = new Array List < > (); System out - printle ("Enter the no of books : "); ine n = sc nuttitut (); Se nuttinel); for ("nt"=0. izn: i++)?

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

System out print h!" Norme: "); System out println! Author: ")
System out println! Author: ")
System out println! Price: ")
System out println! Price: ") double perice = Sc nent Double (); System · out paintre L" Number of pages: "); int numpages = sc next Int (); Book book = new Book (name, author, perice, numbages); System out println ('In Book Details: ");
for (Book book: books) &

System out printh (book); sc. done ();

Enter the number of books & 2 Enter detail for book 1: Name: Notine for goodbye Author: Lindwood Barclay Price: 450 No of Pages: 290 Enter details for book 2: Name: Holy Author: Louis Sacher Perice: 200 No of Pages: 250 Book Details: Book & Name = "Notime for goodbye", # Author z

"Lindwood Barday", Perice = 450.0,

No of page = 290 3 Book & Name = "Holes", Author = "Louis Sachair"
Price = 200.0, No of Pages = 250 3