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 details";
```

```
public class Pro {
   public static void main(String[] args) {
        Scanner s1 = new Scanner(System.in);
        System.out.println("enter the number of books");
        int n = s1.nextInt();

        Book []b1 = new Book[n];

        for(int i=0;i<n;i++){
            b1[i] = new Book(200,"sachin","The Pride",111);
            b1[i].getter();
            b1[i].setter();
            b1[i].getter();
            System.out.println(b1[i]);

        }
    }
}</pre>
```

Output:

```
PS C:\Users\satis\OneDrive\Documents\ooj_lab>                                 javac Pro.java
PS C:\Users\satis\OneDrive\Documents\ooj_lab> java Pro
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
120
Book Details:
Price:150
Author:virat
Name:TheCentury
Pages:120
these are book details
```

Written Code & Output :

03	WEER-3 CIASSMATE Date Page Date
The Book	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 books.
—	Class Book & String name; String author; Int price; int; num pages;
	Book (String name, String author, int price, int num-pages) & this name = name; this author = author. this price = price; this num-pages = num-pages; Scanner &C = new Scanner (Systemin);
	Void set*() { name = sc. next(); author = sc. next(); price = sc. nextInt(); num_pages = sc. nextInt();

Page (void display () Sout (" The book detaels are"); System out prent (name); System out prent in (author); System out prent in (price); System out prent in (num pagus); public Steing tosteing () higher System out printin ("The book details are desplayed by tostring method"); System. out. plintln (nam); System. out. print(author); System. out. print(price); System. out. print(numpages); 3 Class main rottup sound at withe public static void main (string[7 args) Scanner S1 2 new Scanner (System in); System. out. plintln ("enter the number of objects"); int n = Si. nextInt(); toelv motture? Book[] b1 = new Book[n]; for (int 120; icn; it+) { b1 [1) z new Book (200, "sachen", "The Pride", 120); bifit display ();

	b1 (i). display ();
	b1 (i). display(); b1 (i). set(); b1 (i). display();
	b1 [i]. display();
	THE THEOLOGICAL PROPERTY.
	system out println (b100);
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	5
	Output: () paratzaj prosetz soldina
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	ame: The Pride
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78/1	Name: The Century
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	Total displayer: