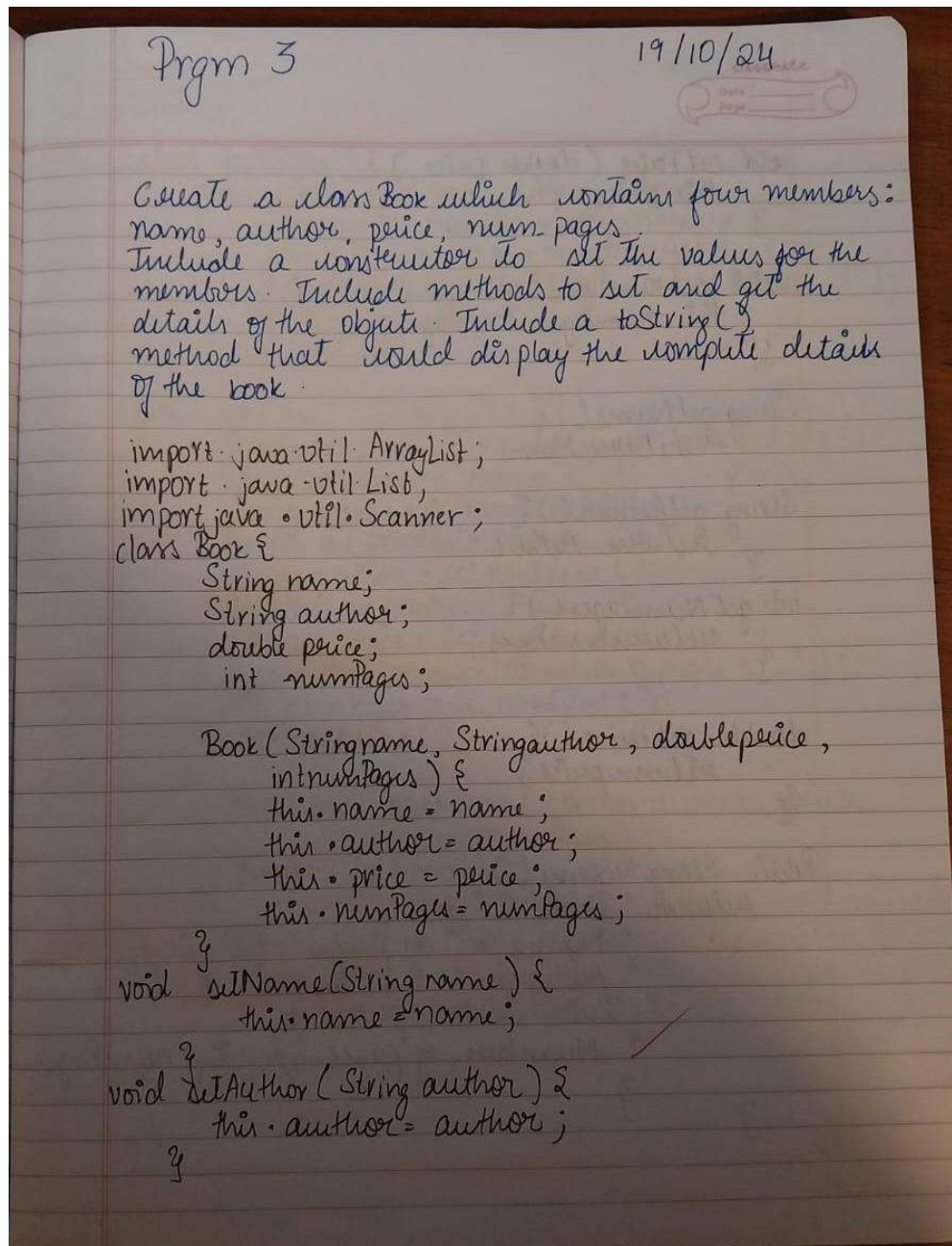


WEEK 3:

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.



```
void setPrice (double price) {  
    this.price = price;  
}
```

```
void setNumPages (int numPages) {  
    this.numPages = numPages;  
}
```

```
String getName() {  
    return Name;  
}
```

```
String getAuthor() {  
    return Author;  
}
```

```
int getNumPages() {  
    return numPages;  
}
```

```
double getPrice() {  
    return price;  
}
```

```
Public String toString() {  
    return "Books {" +  
        "Name = " + name + " " +  
        "Author = " + author + " " +  
        "Price = " + price + " " +  
        "Number of pages = " + numPages  
    }  
}
```

```

class BookStore {
    public static void main (String [] args) {
        Scanner sc = new Scanner (System.in);
        List <Book> books = new ArrayList <> ();
        System.out.println ("Enter the no of books : ");
        int n = sc.nextInt ();
        sc.nextLine ();

        for (int i = 0; i < n; i++) {
            System.out.println ("Enter details for book " + (i+1) + ":");
            System.out.println ("Name : ");
            String name = sc.nextLine ();
            System.out.println ("Author : ");
            String author = sc.nextLine ();
            System.out.println ("Price : ");
            double price = sc.nextDouble ();
            System.out.println ("Number of pages : ");
            int numPages = sc.nextInt ();
            sc.nextLine ();

            Book book = new Book (name, author, price,
                                   numPages);
            books.add (book);
        }
        System.out.println ("\n Book Details : ");
        for (Book book : books) {
            System.out.println (book);
        }
        sc.close ();
    }
}

```


Enter the number of books : 2

Enter details for book 1:

Name : No time for goodbye

Author : Lindwood Barclay

Price : 450

No of Pages : 290

Enter details for book 2:

Name : Holes

Author : Louis Sachar

Price : 200

No of Pages : 250

Book Details :

Book & Name = "No time for goodbye", Author = "Lindwood Barclay", Price = 450.0, No of pages = 290 }

Book & Name = "Holes", Author = "Louis Sachar", Price = 200.0, No of Pages = 250 }

```

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:
2
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

```

C:\Windows\System32\cmd.exe

enter price:

450

enter no of pages:

350

name of the book:book2

name of the author :sam

price:450.0

no of pages in the book:350

all book details:

book name:book1

author:amelia

price:250.0

no of pages:68

book name:book2

author:sam

price:450.0

no of pages:350

C:\Users\Srinivas\OneDrive\Desktop\

