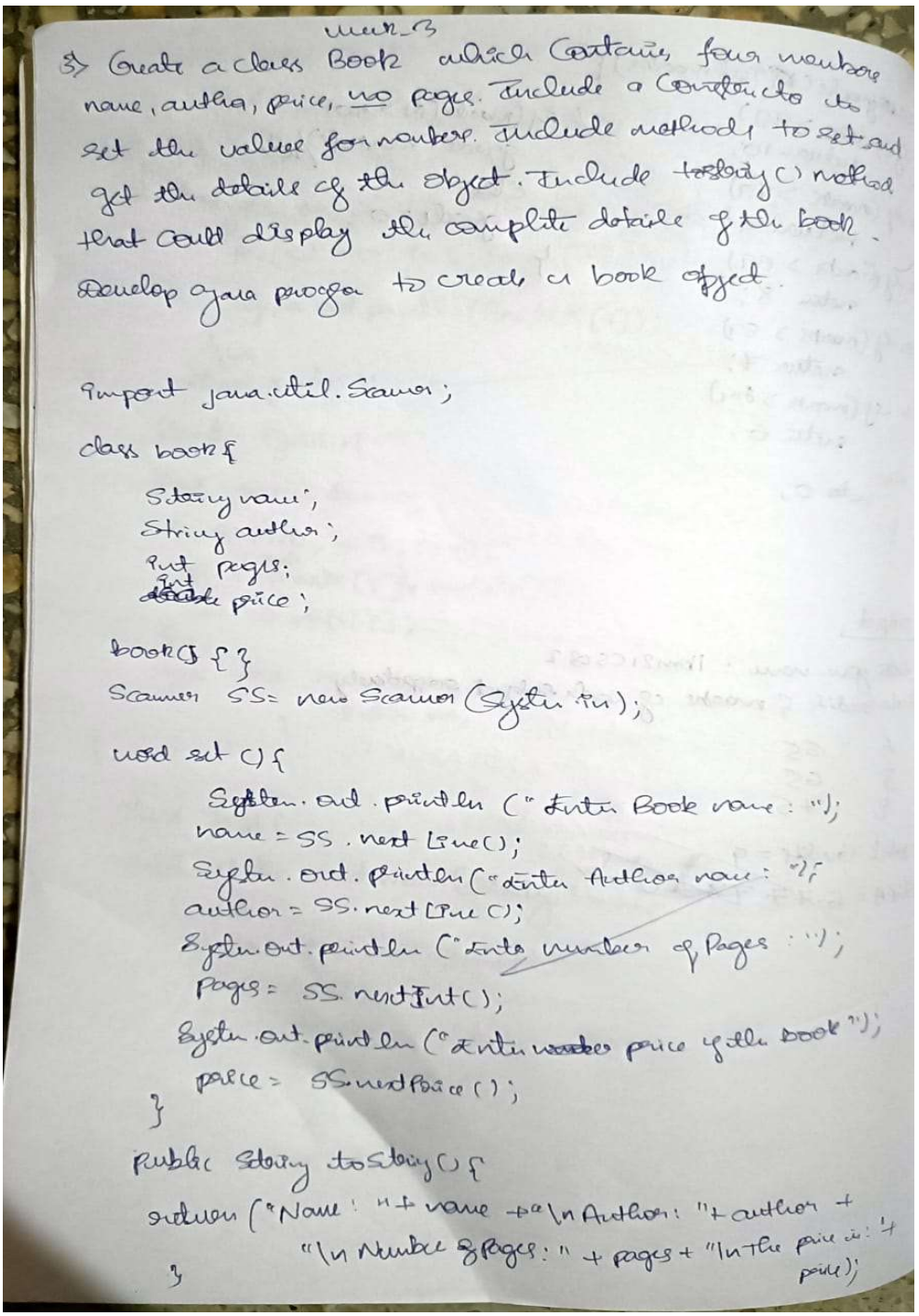
Week 3

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.



week_3

3) Create a class Book which contains four members name, author, price, no pages. Include a Constructor to set the values for members. Include methods to set and get the details of the object. Include toString() method that could display the complete details of the book. Develop a java progra to create n book object.

```
import java.util.Scanner;

class book{

    String name;
    String author;
    int pages;
    int price;

  book(){}
  Scanner SS= new Scanner (System.in);

  void set(){
        System.out.println("Enter Book name : ");
        name = SS.nextLine();
        System.out.println("Enter Author name : ");
        author = SS.nextLine();
        System.out.println("Enter number of Pages : ");
        Pages = SS.nextInt();
        System.out.println("Enter the price of the book");
        price = SS.nextDouble();
  }
  Public String toString(){
  return ("Name : "+ name +"\n Author: "+ author +
            "\n Number of Pages: " + pages + "\n The price is: "+
                                                    price);
  }
```

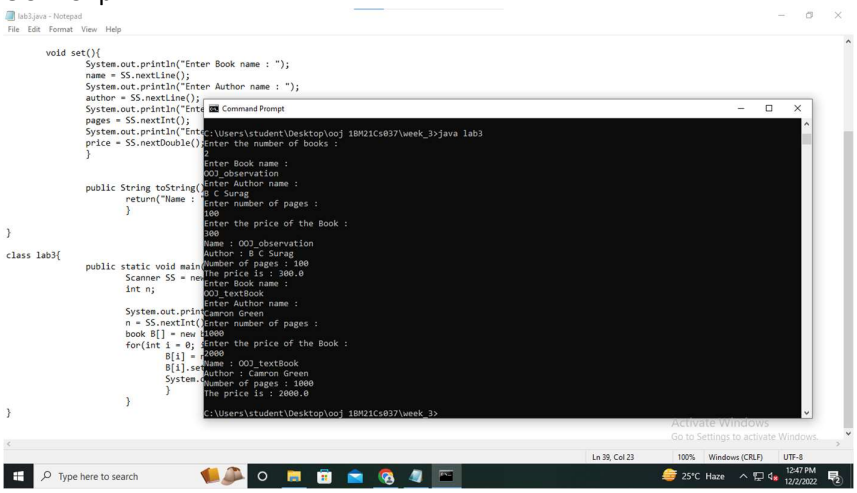
```
class lab3 {
    public static void main (String xx[]){
        Scanner SS= new Scanner(System.in);
        int n;
        System.out.println ("Enter the number of books :");
        n= SS.nextInt();
        book B[]= new book[n];
        for (int i=0; i<n; i++) {
                B[i] = new book();
                B[i].set();
                System.out.println(B[i]);
            }
    }
}
```

Output

```
Enter the number of books :
2
Enter Book name :
OOJ_observation
Enter the price of the book :
300
Enter the number of pages :
100

Name : OOJ- observation
author : BC Suraj
Price : 300
Pages : 100
```

OUTPUTp


lab3.java - Notepad
File Edit Format View Help
void set(){
System.out.println("Enter Book name : ");
name = SS.nextLine();
System.out.println("Enter Author name : ");
author = SS.nextLine();
pages = SS.nextInt();
price = SS.nextDouble();
}
public String toString(
return("Name :
}
}
class lab3{
public static void main
Scanner SS = ne
int n;
book B[] = new
for(int i = 0;
B[i] = n
B[i].se
}
}
Command Prompt
C:\Users\student\Desktop\ooj 1BM21Cs037\week_3>java lab3
Enter the number of books :
2
Enter Book name :
OOJ_observation
Enter Author name :
B C Surag
Enter number of pages :
100
Enter the price of the Book :
300
Name : OOJ_observation
Author : B C Surag
Number of pages : 100
The price is : 300.0
Enter Book name :
OOJ_textBook
Enter Author name :
Camron Green
Enter number of pages :
1000
Enter the price of the Book :
2000
Name : OOJ_textBook
Author : Camron Green
Number of pages : 1000
The price is : 2000.0
C:\Users\student\Desktop\ooj 1BM21Cs037\week_3>
Activate Windows
Go to Settings to activate Windows.
Ln 39, Col 23
100%
Windows (CRLF)
UTF-8
Type here to search
25°C Haze
12:47 PM
12/2/2022