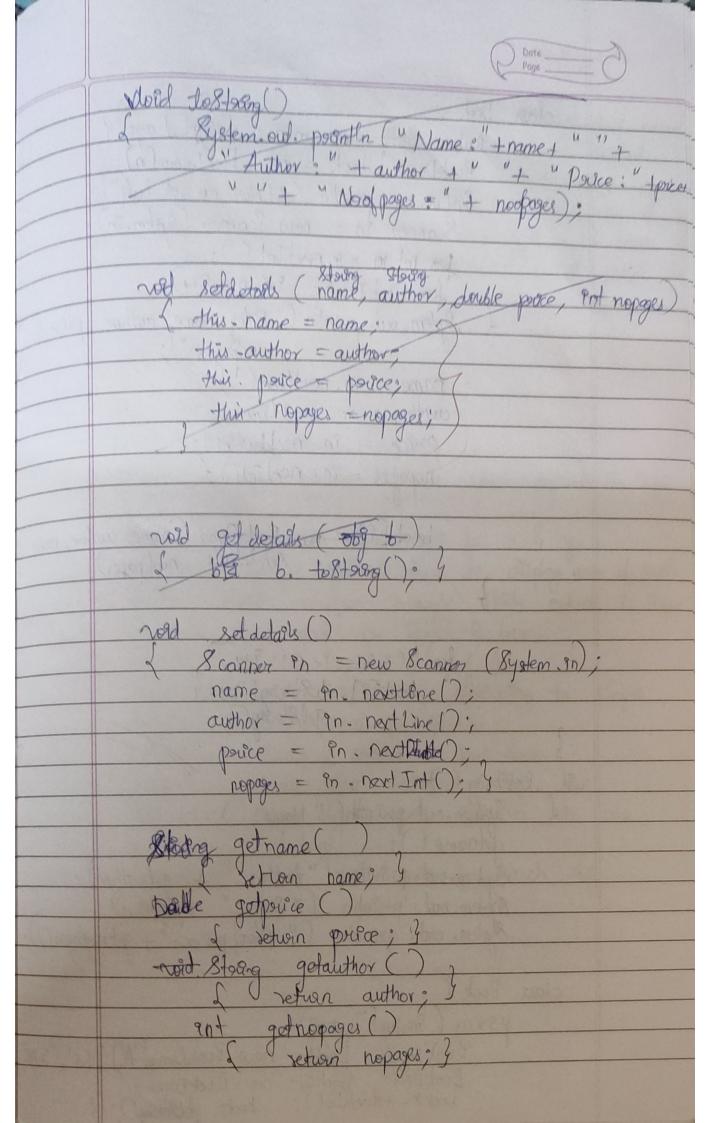import

Create a vclass Book which contains 4 members: name, author, price, no. pages.
Include a constructor to set the values for the members.
Include method to set & get the details of object. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

Algo:

Step1: Start
Step2: Create a class BookDemo.
Step3: Declare instance variables name, author, price, nopgs
Step4: Create a mol constructor to instantiate values.
Step5: Create a method to set details for user input.
Step6: Create a method to get details to
Step7: Create a method toString to display the outputs.
Step8: Class Book is created
Step9: Reo New object book is created of data class BookDemo.
Step10: Read inputs for name, author, price, nofpages
Step11: Display the details of all Books.
Step12: Stop.

```java
import java.util.Scanner;
class book
{ String name;
  String author;
  double float price;
  int num pages;

  void set-details ()
  { Scanner in = new Scanner (System.in);
    System.out.println ("Enter Bookname, author, price,
    no. pages");
    name = in.next ();
    author = in.next ();
    price = in.next
```

```java
import java.util.Scanner;
class BookDemo
{ String name;
  String author;
  double price;
  int nopages;
}

BookDemo (String name, String author, double price,
          int nopages)
{ this.name = name;
  this.author = author;
  this.price = price;
  this.nopages = nopages; }  }
```

```java
void toString()
{
    System.out.println ("Name: " +name+ "  " +
    "Author:" + author + "  "+ "Price:" +price
    + "  "+ "No of pages:" + nopages);
```

```java
void setdetails ( String name, String author, double price, int nopages)
{
    this. name = name;
    this -author = author;
    this. price = price;
    this. nopages = nopages;
}
```

```java
void getdetails ( obj b)
{   b. toString(); }
```

```java
void setdetails ()
{   Scanner in = new Scanner (System.in);
    name = in. nextLine();
    author = in. nextLine();
    price = in. nextDouble();
    nopages = in. nextInt(); }
```

```java
String getname( )
    { return name; }
Double getprice ()
    { return price; }
void String getauthor ()
    { return author; }
int getnopages ()
    { return nopages; }
```

```
class Book {
    public static void main (String[] args) {
        BookDemo[] book = new BookDemo[n];
        System.out.println ("Enter no of books");
        Scanner in = new Scanner (System.in);
        for int m = in.nextInt();
            for (int i=0; i< n; i++)
            {   System.out.println (" Enter name, author, price
                                            nopages ");
            name = in.nextLine();
            author = in.nextLine();
            price = in.nextDouble();
            nopages = in.nextInt();


            book[i] = new BookDemo (name, author, price,
                            setdetails    noofpages)
        }


        for (i=0; i< n; i++)
        {   book[i].toString(); }
                getString();
    }

void toString ()
{   System.out.println ( " Name:" );
    getname();
    System.out.println ("Author:"  + getauthor());
    System.out.println (" Price:" +getprice());
    System.out.println (" Noof price:" + getnopages());
}


class Book {
    psvm (String[] args)
        BookDemo book1 = new BookDemo[A] "DEF" "SK
        BookDemo book2 = new BookDemo.
        book2.setdetails();   book2. toString(); }
```

```
C:\Users\skc\Desktop\ooj p>java Book01
Enter number of books
2
Enter bookname, author, price, num_pages
ABC DEF 250 100
Enter bookname, author, price, num_pages
XYZ VWE 355 200
Book details
The book ABC was written by DEF. It consists of 100 pages and costs around $250.0
The book XYZ was written by VWE. It consists of 200 pages and costs around $355.0
Aakanksha V R,1BM22CS001

C:\Users\skc\Desktop\ooj p>
```