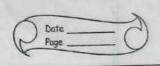3) Create a class Book which contains four members: name, author, price, num_pages. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a toString( ) method that could display the complete details of the book. Develop a Java program to create n book objects.

Create a class which contains member name author, price numpages, Include a sett constructor a setter and a getter include a to string method WAJP to create n book objects class Book{

```
private String name;
private String author;
private double price;
private int numpages;

public Book (String name, String author,
double price, int numpages)
{
    this.name = name;
    this.author = author;
    this.price = price;
    this.numpages = numpages;
}

public void setter( String name, String author,
double price, int numpages){
    this.name = name;
    this.author = author;
    this.price = price;
    this.numpages = numpages;
}

public String getter( ){
    return tostring( );
}
```

```java
public String toString(){
return " Book Name:"+name+ "  , Author:"+
author+ " , price :Rs"+ price + "; pages-"+
numpages;
}

}

public class Bookmain{
public static void main (String []args){
Scanner sr = new Scanner(System.in);
System.out.println("enter no of books");
int n = sr.nextInt();

Book[] books = new Book[n];

for(int i=0; i<n; i++){
System.out.println("Enter details of book "+(i+1));
System.out.println("Enter Name, author, price,
no of pages");
String name = sx.nextLine();
String author =Sr.nextLine();
double price =sx.nextDouble();
int numpages = sx.nextInt();

books[i] = new Book(name, author, price,
numpages);
System.out.println(books[i].getter());
}

sx.close();
}
}
```

```
Enter the no of books
2
Enter details for book 1:
Name: sujan
Author: ge
price : 3
Number of pages : 12
Book name: Sujan, Author: ge, Price: rs3.0,
pages: 12
Enter details for book 2
Name: dharma
Author: sug hosh
price : 240
```

```java
import java.util.Scanner;

class Book {
    private String name;
    private String author;
    private double price;
    private int numPages;

    public Book(String name, String author, double price, int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }

    public void setDetails(String name, String author, double price, int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }

    public String getDetails() {
        return toString();
    }

    public String toString() {
        return "Book Name: " + name + ", Author: " + author + ", Price: rs" + price + ", Pages: " + numPages;
    }
}

public class Bookmain {
```

```java
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter number of books: ");
        int n = scanner.nextInt();
        scanner.nextLine();

        Book[] books = new Book[n];

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

            books[i] = new Book(name, author, price, numPages);
            System.out.println(books[i].getDetails());
        }

        scanner.close();
    }
}
```

Output

```
C:\Users\hp\Desktop\java>javac Bookmain.java

C:\Users\hp\Desktop\java>java Bookmain
Enter number of books: 2
Enter details for book 1:
Name: Atomoic Habits
Author: James Clear
Price: 349
Number of Pages: 208
Book Name: Atomoic Habits, Author: James Clear, Price: rs349.0, Pages: 208
Enter details for book 2:
Name: The Alchemist
Author: Paulo Coelho
Price: 262
Number of Pages: 409
Book Name: The Alchemist, Author: Paulo Coelho, Price: rs262.0, Pages: 409

C:\Users\hp\Desktop\java>
```