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

=>

```
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 setName(String name) {
        this.name = name;
    }
Public void setAuthor(String author) {
        this.author = author;
```

```
public void setPrice(double price) {
    this.price = price;
}
public void setNumPages(int numPages) {
    this.numPages = numPages;
}

public String getName() {
    return name;
}
public String getAuthor() {
    return author;
}
public String getAuthor() {
    return author;
}
public double getPrice() {
    return price;
public int getNumPages() {
    return numPages;
}
@override
public String toString() {
    return "Book Details : \n" +
        "Name : " + name + "\n" +
        "Author : " author + "\n" +
        "price : $ " + price + "\n" +
        "Number of pages : " + numPages
            + "\n";
}
}
public class Main {
    public static void main(String[] args)
    {
        Scanner scanner = new Scanner(System.in);
        System.out.println("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.println("Enter book name :");
    String name = Scanner.nextLine();
    System.out.println("enter author name :");
    String author = Scanner.nextLine();
    System.out.println("enter price :");
    double price = Scanner.nextDouble();
    System.out.println("enter number of pages :");
    int numpages = Scanner.nextInt();
    Scanner.nextLine();
    books[i] = new Book(name, author, price,
                        numpages);
}
System.out.println("In Details of all books:");
for (int i=0; i<n ; i++) {
    System.out.println(books[i].toString());
}
Scanner.close();
}
}
```

o/p

```
number of books : 1
Enter details of Book 1 :
Enter book name : qwert
author name : zxcv
Enter price : 560
number of pages : 200
```

Details of all books :

Book details :

Name : QUERT
Author : ZXCV.
Price : $560.0.
page : 200