question no 3

Q.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{

String author;

String name;

int price;

int num_pages;

book(){}

book(String n, String a, int p, int num){

name= n;

author=a;

price=p;

num_pages=num;

}


void getd(){

Scanner ss= new Scanner(System.in);

System.out.println("Enter the name of the book: ");

name=ss.next();
```

```java
System.out.println("Enter the author of the book: ");

author=ss.next();

System.out.println("Enter the price of the book: ");

price=ss.nextInt();

System.out.println("Enter the number of pages of the book: ");

num_pages=ss.nextInt();


}



public String toString(){

String S= "Name: "+name+"\nAuthor: "+author+"\nPrice: "+price+"\nNumber of pages: "+num_pages;

return S;

}

}


class main{

public static void main(String XX[]){

int x;

Scanner ss= new Scanner(System.in);

System.out.println("How many books do you want to store?");

x=ss.nextInt();

book b[]= new book[x];

for(int i=0; i<x;i++){

b[i]=new book();
```

```java
        System.out.println("Enter book "+(i+1)+" details: ");

b[i].getd();

                }




  for(int i=0; i<x; i++)

                {

                        System.out.println("Book"+(i+1)+"details:");

                        System.out.println(b[i]);

                }

        }

}
```

```
Enter book 1 details:
Enter the name of the book:
mov
Enter the author of the book:
sheakpear
Enter the price of the book:
200
Enter the number of pages of the book:
4567
Enter book 2 details:
Enter the name of the book:
asulikeit
Enter the author of the book:
chantanbaghat
Enter the price of the book:
450
Enter the number of pages of the book:
3684
Book1details:
Name: mov
Author: sheakpear
Price: 200
Number of pages: 4567
Book2details:
Name: asulikeit
Author: chantanbaghat
Price: 450
Number of pages: 3684

C:\Users\ACER\Documents>
```

Program-3

```java
import java.util.Scanner;
class book
{
    String name, author;
    double price;
    int num_pages;
    Book()
    {
        name = " ";
        author = " ";
        price = 0.0; num_pages = 0;
    }
    void input()
    {
        Scanner ss = new Scanner(System.in);
        System.out.println("Enter the name of book:");
        name = ss.nextline();
        System.out.println("Enter the author of the book:");
        author = ss.nextline();
        System.out.println("Enter the price of the book:");
        price = ss.nextdouble();
        System.out.println("Enter the number of pg of
                    the book:");
        num_pages = ss.nextInt();
    }
    public String toString()
    {
        return("Name:"+name+"\n Author:"+
        author+ "\n Price:"+price+"/-"+ "\n Number
        of Pages:"+num_pages +"\n");
    }
}

class book_main
{
    public static void main(String xx[])
    {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter the number of
            books:");
        int n = s.nextInt();
        Book books[] = new Book[n];
        for(int i=0; i<n; i++)
        {
            books[i] = new Book();
            books[i] = input();
            System.out.println("\n Book Details:");

            System.out.println(books[i].toString());
        }
    }
}
```