1BM19CS216

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Lab program 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
{
int deposit_balance;
int withdraw

import java.util.*;

class Book {

String name;
String author;
float price;
int num_pages;
Book()
{ }

Book(String name, String author, int price, int
        num_pages)
```

```
{
 this.name=name;
 this.author =author;
 this.price =price;
 this.num_pages =num_pages;
}

void display()
{
scanner inp=new Scanner(System.in);
System.out.println("Enter the name of the book:");
name =inp.next()
System.out.println("Enter the name of the
                    author :");
name =inp.next();
System.out.println("Enter the price of the book:");
price = inp.nextFloat()
System.out.println("Enter the number of pages
          of the book:");
num_pages =inp.nextInt();
}
public String toString()
{
return("Name :"+name+"\n"+"Author :"+author
      +"\n"+"Price:"+price+"\n"+"Number
       of pages:" +num_pages);
}
}
```

→

```
class Bookmain {
public static void main (String args[])
{
Scanner a = new Scanner (System.in);
System.out.println ("Enter the number of books");
int n=a.nextInt();
Book b[]=new Book[n];
for (int i= 0; i<n ; i++)
{
b[i] = new Book();
System.out.println ("Enter the details of "+(i+1)+
    book");
b[i].display();
}
for (int i = 0; i<n; i++)
{
System.out.println ("Details of book "+(i+1));
System.out.println (b[i]);
}
}
}
```