**WEEK 3**

**-Tanisha Gotadke**

**1BM21CS229**

**Q3:** 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.

**Code:**

import java.util.Scanner;

class book{

String name;

String author;

int price;

int num\_pages;

book(){

name="";

author="";

price=0;

num\_pages=0; }

void set(){

System.out.println("ENTER THE NAME OF THE BOOK");

Scanner sc=new Scanner(System.in);

name=sc.nextLine();

System.out.println("ENTER THE AUTHOR");

author=sc.nextLine(); System.out.println("ENTER THE PRICE");

price=sc.nextInt();

System.out.println("ENTER THE NUMBER OF PAGES");

num\_pages=sc.nextInt();

}

public String toString() {

return("name of the book: "+name+"\n"+"name of the author: "+author+"\n"+"price of book: "+price+"\n"+"number of pages: "+num\_pages);

}

}

class supply{

public static void main(String args[]){

int n;

System.out.println("ENTER THE NUMBER OF BOOKS");

Scanner kp=new Scanner(System.in);

n=kp.nextInt();

book b1[]=new book[n];

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

b1[i]=new book();

b1[i].set(); }

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

System.out.println("details of book "+(i+1));

System.out.println(b1[i]);

}

}

}

