## **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 num_pages;
 double price;
 String name;
 String author;
 Book(){
  num_pages=0;
  price=0.0;
  name="some book";
  author="gamana";
 Book(int num_pages,double price, String name, String author){
  this.num_pages=num_pages;
  this.price=price;
  this.name=name;
  this.author=author;
 void set_data(int num_pages,double price, String name, String author) {
    this.num_pages=num_pages;
    this.price=price;
    this.name=name;
    this.author=author;
 void get_data(){
  System.out.println("Book details\nname: "+name+"\nauthor: "+author+"\nnmber of pages:
"+num_pages+"\nprice: "+price);
  System.out.println("\n----\n");
 public String toString(){
  return ("Book details\nname: "+name+"\nauthor: "+author+"\nnmber of pages:
"+num_pages+"\nprice: "+price+"\n-----\n");
 }
```

```
class lab_2 {
 public static void main(String[] args) {
  Book b1=new Book();
  Scanner s=new Scanner(System.in);
  System.out.print("enter the name of the book: ");
  String name=s.nextLine();
  System.out.print("enter the author's name: ");
  String author=s.nextLine();
  System.out.print("enter the number of pages in the book: ");
  int num_pages=s.nextInt();
  System.out.print("enter the price of the book: ");
  double price=s.nextDouble();
  System.out.println();
  b1.set_data(num_pages,price,name,author);
  Book b2=new Book(20,87.65,"deception point","dan brown");
  b1.get_data();
  b2.get_data();
  System.out.println(b1);
  System.out.println(b2);
  s.close();
  }
}
```

```
author + "In number of pages "+ nom - pages + "In
              Program-
                                                   System out println (" In -- -- In");
import java util sannon
class Book {
                                                   Public String to- String () {
 the num_Pages
                                                     return ( Book ditails In name: " + name + " In
double price;
                                                               author : "+ author + "In number of pages
 String name.
                                                               "+ nom fogus + "In pria : "+ pria + "In")
 String author;
 Book to &
 num - pages = 0;
                                                     class lab_ 2 }
 prices = 0.0:
                                                      Public static roid main (string [] angs) ?
 name = "some_book";
                                                       Book - b1 = new Book();
 author . " gamana";
                                                      Scanner S = new scannon (system in);
                                                      System out Printly Conta the name of the book!").
 Book (int num-Pages, double price, string name
                                                       Otring name - B. nextline();
       string author ) {
                                                      System out Printin C'enter the author's name: ");
  this, num-pages = num-pages
                                                      string name = 8. next lind);
  this fria = fria:
                                                      System out Println ("enter the number of fages:");
   this name = name ;
   this, author, author.
                                                      Int num-boges . S. nextlinel);
                                                      system out println ("ento the price!");
                                                       double pria = s. next Double();
void get_data()
                                                       System. out . println ()
System out. Printh (" Book details In name!" 4 name + " In
```

```
61. Set data (num Pages, Price, name, author).
                                                       Program - 3 - Output -
Book be - new book (80, 87.65 ," duption point"
                          " dan brown");
                                                      enter the name of book harry bottom
b1. get_data ();
                                                      enter the author's name: JK Rowling
bo.gd-data();
                                                      enter the number of bages: 500
System . Dut . Println (61);
System. out. Println (62);
                                                      enter the price ! 450
 s. close().
                                                       Book details
                                                       name: hany potler
                                                       author! IK Racking
                                                        number of pages: 500
                                                        pria: 450
                                                        Book details
                                                       name: deaption point
                                                       author! dan brown
                                                       number of fages: 20
                                                       price: 87.66
```

## Output: