Date :- 1 3 October 2020., Name :- Hritik Singh , USN :- 1BM19CS063

OOJ Lab Program Week 5 , Lab 3 :-

<u>Lab - Program 3 :-</u>

~~inp~~ <u>Input</u> :-

import java.util.Scanner ;

class Book :
{

    private String Bookname ;
    private String Authorname ;
    private double Bookprice ;
    private int number of pages ;

    Book ()
    {

        System.out.println (" Name of book , Author of book , Price of
                book and Number of Pages of the book
                respectively inside Default contructer .") ;
        Bookname = " Invisible Man ";
        Author name = " H.G.Wells ";
        Bookprice = 30.67 ;
        number of pages = 800 ;

    Book (String Booknam, String Authornam, double Bookprie, int numbofpg)
    {

        System.out.println (" Name of book , Author of book , Price of book
                and Number of ~~go~~ pages in the book
                respectively inside Pourameterized contructor")
        Bookname = Booknam ;
        Authorname = Authornam ;
        Bookprice = Bookprie ;
        number of pages = number of page ;

    }

```java
void get details ()
{
    Scanner sc = new Scanner (System.in);
    System.out.println ("Enter the name of the book :");
    Bookname = sc.next ();
    System.out.println ("Enter the name of the author.");
    Authorname = sc.next ();
    System.out.println ("Enter the Price of the book :");
    Bookprice = sc.next Double ();
    System.out.println ("Enter the number of pages of the book.");
    number of pages = sc.next Int ();
}

void get print details ()
{

    System out.println ("The name of the book is:" + Bookname);
    System.out.println ("The author of the book is :" + Authorname);
    System.out.println ("Price of the book is : " + Bookprice);
    System.out.println ("The number of pages in the book are:
                        " + number of pages);

}

    public String to String ()
    {
    return ("Name of the book is " + Bookname + " Name of the author"
            + Authorname + " Price of the book " + Bookprice + "
        Number of pages " + number of pages);

    }
}
class Bookmain
{
    public static void main (String ss[])
    {
    Scanner sc = new (System.in);
```

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```
System. out. printh ("Book information"):
book
Book b 1 = new Book ();
b 1 . get Details ()
b 1 . print details ();
Book b 2 = new Book ("Relativity", "Hawking", 345-56,185)
b 2 . print details ()
Book s = new Book ();
System. out. printh ("Enter the number of books"):
int n = sc. nest Int ();
Book b [] = new b Book [n];
for ( int i = 0 ; i < n ; i++)
{
        System. out. printh ("Enter the details of the book:"
                                        + ( i+1));
        b [ i ] = new Book ();
        b [ i ] .get Details ();
        b [ i ] . print details ();
    }
  }
}
```

Output of the above program :-

```
Book information.
Enter the name of the book :
Sangam
Enter the Author of the book :
Easter
Enter the Price of the book.
789.99
Enter the number of pages of the book :
1500.
```

The name of the book is : Sangam
The author of the book is : louter.
Price of the book is : 789. 99
The number of pages in the book are : 1500.

Name of book, Author of book, Price of book and Number of pages in the book respectively inside Parameterized contructer are :
The name of the book is Relativity
The author of the book is : Hawking
Price of the book is 345.56.
Number of pages in the book are : 789.

Enter the number of books :
2
Enter the details of the book : 1
Enter the name of the book :
ynideout
Enter the Name of the author :
ajay
Enter the Price of the book :
455. 33.
Enter the number of pages of the book :
5847

The name of the book is : invideout
The author of the book is : ajay.
Price of the book is 455.33.
The number of pages in the book are : 5647.

Enter the details of the book : 2

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Enter the name of the book :
Josh
Enter the name of the author :
Atreya
Enter the price of the book :
5 439.33.
Enter the number of pages of the book :
1900.
The name of the book is : josh.
The author of the book is : Atreya
Price of the book is 5439.33.
The number of pages in the book are : 1900