

LAB PROGRAM 3 (13\10\2020)

INPUT

```
import java.util.Scanner;
class book{
    String author;
    String name;
    String noofpgs;
    String price;

    Scanner sc = new Scanner(System.in);

    void getDetails(){
        System.out.println("author");
        author = sc.next();
        System.out.println("bookname");
        name = sc.next();
        System.out.println("NUM OF PAGES AND PRICE");
        noofpgs = sc.next();
        price = sc.next();
    }

    public String toString(){
        return ("AUTHOR :"+author+"\nBOOK NAME :"+name+"\nPAGES
:"+noofpgs+"\nPRICE :"+price);
    }

    book(){
        author ="xyz";
        name ="hirani";
        noofpgs ="56pgs";
        price = "100rs";
    }

    void display(){
        System.out.println("AUTHOR :"+author);
        System.out.println("BOOK NAME"+name);
        System.out.println("NUM PAGES"+noofpgs);
        System.out.println("PRICE"+price);
    }
}

class bookMain{
    public static void main(String ss[]){
        Scanner sc = new Scanner(System.in);
        int n;

        book s1 = new book();
        System.out.println("TO SHOW I INCLUDED DEFAULT CONSTRUCTOR");
        System.out.println("-----");
    }
}
```

```

        s1.display();
        System.out.println("-----");

        System.out.println("\n\nENTER THE NUMBER OF BOOKS YOU WISH TO
ENTRY");
        n = sc.nextInt();
        System.out.println("-----");
        book b[] = new book[n];
        for(int i=0;i<n;i++){
            System.out.println("ENTER DETAILS OF BOOK :"+(i+1));
            b[i] = new book();
            b[i].getDetails();
            System.out.println("-----");
        }

        System.out.println("\n\nALL BOOK DETAILS THAT YOU ENTERED");
        System.out.println("-----");
        for(int i=0;i<n;i++){
            System.out.println("\n*****");
            System.out.println("BOOOK :"+(i+1));
            System.out.println(b[i].toString());
        }

    }
}

```

OUTPUT

TO SHOW I INCLUDED DEFAULT
CONSTRUCTOR

AUTHOR :xyz

BOOK NAMEhirani

NUM PAGES56pgs

PRICE100rs

**ENTER THE NUMBER OF BOOKS YOU WISH
TO ENTRY**

2

ENTER DETAILS OF BOOK :1

author

RAM

bookname

physics

NUM OF PAGES AND PRICE

10

100rs

ENTER DETAILS OF BOOK :2

author

shayam

bookname

chemistry

NUM OF PAGES AND PRICE

20

200rs

ALL BOOK DETAILS THAT YOU ENTERED

BOOOK :1

AUTHOR :RAM

BOOK NAME :physics

PAGES :10

PRICE :100rs

BOOOK :2

AUTHOR :shayam

BOOK NAME :chemistry

PAGES :20

PRICE :200rs

Process finished with exit code 0