

OOJ LAB WEEK 5- LAB PROGRAM

Program and Output

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1BM19CS081

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Program-

```
import java.util.Scanner;

class Book{

    String name;

    String author;

    float price;

    int num_pages;

    Book(){

        this.name="";

        this.author="";

        this.price=0f;

        this.num_pages=0;

    }

    Book(String name,String author,float price,int num_pages){

        this.name=name;

        this.author=author;

        this.price=price;

        this.num_pages=num_pages;

    }

    void get_details(){

        Scanner s=new Scanner(System.in);
```

```

        System.out.println("Enter the name of the book:");
        name=s.nextLine();

        System.out.println("Enter the author :");
        author=s.nextLine();

        System.out.println("Enter the price of the book:");
        price=s.nextFloat();

        System.out.println("Enter the number of pages of the book:");
        num_pages=s.nextInt();
    }

    void set_details(String n,String a,float p,int np){

        this.name=n;

        this.author=a;

        this.price=p;

        this.num_pages=np;
    }

    public String toString(){

        return ("Name="+name+"\n"+"Author="+author+"\n"+"Price="+price+"\n"+"Number of
pages="+num_pages+"\n");
    }
}

public class Main {

    public static void main(String args[]){

        int n;

        Scanner s=new Scanner(System.in);

        System.out.println("Enter number of books:");

        n=s.nextInt();

        Book[] b=new Book[n];

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

```

```

        b[i]=new Book();

        b[i].get_details();

    }

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

        System.out.println("\nDetails of the book"+(i+1)+":");

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

    }

    Book boo1=new Book();

    boo1.set_details("The wrld","Kenny",300,400);

    System.out.println("Details of the book:");

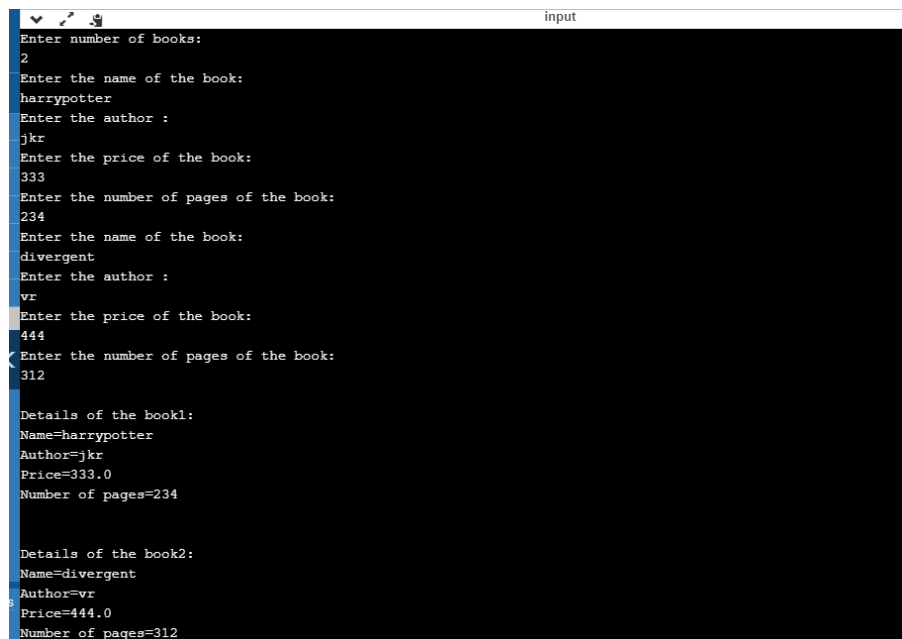
    System.out.println(boo1);

}

}

```

Output-



```

input
Enter number of books:
2
Enter the name of the book:
harrypotter
Enter the author :
jkr
Enter the price of the book:
333
Enter the number of pages of the book:
234
Enter the name of the book:
divergent
Enter the author :
vr
Enter the price of the book:
444
Enter the number of pages of the book:
312

Details of the book1:
Name=harrypotter
Author=jkr
Price=333.0
Number of pages=234

Details of the book2:
Name=divergent
Author=vr
Price=444.0
Number of pages=312

```

```
divergent
Enter the author :
vr
Enter the price of the book:
444
Enter the number of pages of the book:
312
```

```
Details of the book1:
Name=harrypotter
Author=jkr
Price=333.0
Number of pages=234
```

```
Details of the book2:
Name=divergent
Author=vr
Price=444.0
Number of pages=312
```

```
Details of the book:
Name=The wrld
Author=Kenny
Price=300.0
Number of pages=400
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```