

USN:1BM21CS222

NAME:SUBRAMANYA L

```
import java.util.*;
```

```
import java.lang.*;
```

```
class Book
```

```
{
```

```
    String name,author; int price,num_pages;
```

```
    void getval()
```

```
    {
```

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

```
        System.out.println("Enter book name");
```

```
        name=sc.next();
```

```
        System.out.println("Enter author name");
```

```
        author=sc.next();
```

```
        System.out.println("Enter price ");
```

```
        price=sc.nextInt();
```

```
        System.out.println("Enter No. of pages");
```

```
        num_pages=sc.nextInt();
```

```
    }
```

```
    public String toString()
```

```
    {
```

```
        return name+" "+author+" "+price+" "+num_pages+" ";
```

```
    }
```

```
    void display(Book o)
```

```
    {
```

```
        System.out.println(o);
```

```
}  
}
```

```
class Bookvck  
{  
    public static void main(String args[])  
    {  
        Scanner in=new Scanner(System.in);  
  
        System.out.println("Enter the no. of book objects");  
        int n=in.nextInt();  
        Book[] ob=new Book[n];  
        for(int i=0;i<n;i++)  
            ob[i]=new Book();  
        for(int i=0;i<n;i++)  
            { ob[i].getval();}  
        for(int i=0;i<n;i++)  
            { ob[i].display(ob[i]);}  
    }  
}
```

Output:

```
Directory of C:\Users\Admin\Desktop\1BM21CS050

01-12-2022  01:08    <DIR>          .
01-12-2022  01:03    <DIR>          ..
19-11-2022  01:04    <DIR>          bin
01-12-2022  01:31             1,508 Book.class
01-12-2022  01:03             1,091 books.java
01-12-2022  01:31             866 Bookvck.class
28-11-2022  02:23    <DIR>          Circular queue
19-11-2022  02:07    <DIR>          QUEUE
19-11-2022  01:04             111 WEEK2.depend
19-11-2022  01:05             360 WEEK2.layout
                5 File(s)                3,936 bytes
                5 Dir(s) 163,322,765,312 bytes free
```

```
C:\Users\Admin\Desktop\1BM21CS050>javac books.java
```

```
C:\Users\Admin\Desktop\1BM21CS050>java Bookvck
```

```
Enter the no. of book objects
```

```
2
```

```
Enter book name
```

```
Harry_potter
```

```
Enter author name
```

```
j_k_Rowling
```

```
Enter price
```

```
499
```

```
Enter No. of pages
```

```
299
```

```
Enter book name
```

```
Da_vinci_code
```

```
Enter author name
```

```
Brown
```

```
Enter price
```

```
399
```

```
Enter No. of pages
```

```
199
```

```
Harry_potter j_k_Rowling 499 299
```

```
Da_vinci_code Brown 399 199
```