

Q: Create a class Book which contains four members: name, author, price, numb 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.

Answer:

```
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]);}
    }
}

```

Command Prompt

Microsoft Windows [Version 10.0.22000.1281]

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C:\Users\Admin>cd C:\Users\Admin\Desktop\1BM21CS233

C:\Users\Admin\Desktop\1BM21CS233>set path="C:\Program Files\Java\jdk-19\bin"

C:\Users\Admin\Desktop\1BM21CS233>javac Bookvck.java

C:\Users\Admin\Desktop\1BM21CS233>java Bookvck

Enter the no. of book objects

2

Enter book name

mahabharatha

Enter author name

vaibhav kiran p

Enter price

Exception in thread "main" java.util.InputMismatchException
at java.base/java.util.Scanner.throwFor(Scanner.java:943)
at java.base/java.util.Scanner.next(Scanner.java:1598)
at java.base/java.util.Scanner.nextInt(Scanner.java:2263)
at java.base/java.util.Scanner.nextInt(Scanner.java:2217)
at Book.getval(Bookvck.java:19)
at Bookvck.main(Bookvck.java:47)

C:\Users\Admin\Desktop\1BM21CS233>javac Bookvck.java

C:\Users\Admin\Desktop\1BM21CS233>java Bookvck

Enter the no. of book objects

2

Enter book name

king

Enter author name

vignesh

Enter price

230

Enter No. of pages

1000

Enter book name

queen

Enter author name

vigu

Enter price

340

Enter No. of pages

2000

king vignesh 230 1000

queen vigu 340 2000

C:\Users\Admin\Desktop\1BM21CS233>