

LAB-4

Print Area of given Shape.

Create a class book which contains members : Name, author, price, num-pages . Include a constructor to set the values for the values for members . Include methods to set and get the details of objects . Include String() method that could display complete detail of book .

Program :-

```
import java.util.Scanner;  
class Books{  
    String name, author;  
    int price, numPages;  
    Books (String name, String author, int price, int numPages)  
    {  
        this.name = name;  
        this.author = author;  
        this.price = price;  
        this.numPages = numPages;  
    }  
    public String toString(){  
        String name, author, price, numPages;  
        name = "Book name : " + this.name + "\n";  
        author = "Author name : " + this.author + "\n";  
        price = "Price : " + this.price + "\n";  
        return name + author + price;  
    }  
}
```

```
numPages = "Number of pages" + this.numPages + "\n";
return name + author + price + numPages;
```

```
}
```

```
class Bookmain {
```

```
public static void main (String [ ] args) {
```

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

```
int n ;
```

```
String name , author ;
```

```
int price , numPages ;
```

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

```
int n ;
```

```
String name , author ;
```

```
int price , numPages ;
```

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

```
Books b [ ] = new Books [n] ;
```

```
System . out . println ("Enter Name , author , price  
number of pages : ") ;
```

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

Output

Enter num

1
Enter name

BmSCE

Harsh

99

199

Books details :

Book names : B

```
name = sc.nextInt();
author = sc.nextLine();
price = sc.nextDouble();
numPages = sc.nextInt();
b[i] = new Books(name, author, price, numPages);
```

```
}
```

```
System.out.println("Book details :");
for (int i=0 ; i < n ; i++) {
    System.out.println(b[i].toString());
}
```

```
}
```

```
}
```

Output

Enter number of books:

1
Enter name, author, price, Number of pages:

BmSCE

Harsh

99

199

Books details:

Book names: BMSCCE

Author name : Harsh

Price : 99

number of pages : 199.

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cost down, nine books, serial blood war = ₹ 771

i) "Hobbit Book" writing. 200. 2012

Fiction in English

ii) 2012 [2012] writing. 2007202

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