

7 ~~calculator~~ BOOK QUESTION

```
import java.util.Scanner;  
class Book
```

```
{  
    String name;
```

```
    String author;
```

```
    float price;
```

```
    int num-pages;
```

```
    void set-details();
```

```
{
```

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

```
    System.out.println("Enter book name, author,  
    price, no. of pages");
```

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

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

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

```
    num-pages = sc.nextInt();
```

```
}
```

void get - details (book b[], string search-name)

```
{  
    int n = b.length;  
    boolean found = false;  
    for (int i = 0; i < n; i++)  
    {  
        if (b[i].name.equals(search-name))  
        {  
            found = true;  
            System.out.println ("details of book " + i);  
            System.out.println (b[i].toString());  
        }  
    }  
}
```

if (found == false)

```
{  
    System.out.println ("no. book exists found");  
}
```

}

public String toString()

```
{  
    return "The book " + name + " was written  
        by " + author + " at cost of " + cost  
        + " pages & cost " + price;  
}
```

}

public static void main (String args[])

```
{  
    System.out.println ("Enter no. of books to  
        generate");
```

int n = sc.nextInt();

book b[] = new book[n];



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

```
{ b[i] = new book();
```

```
  b[i].set-details();
```

```
}
```

```
System.out.println (" enter name of book to  
search ");
```

```
String search search-name = scan.next();
```

```
b[0].get-details(b, search-name);
```

```
}
```

```
}
```

Enter the number of books

1

Enter name

ANJALI

Enter Author

anj

Enter Price

100

Enter Number of pages

23

THE BOOK LIBRARY

Name of book: ANJALI

Name of author: anj

Price of book: 100

number of pages of book: 23

1BM22CS043 ANJALI