

WEEK 3

```
import java.util.Scanner;

class book {

    String name, author;
    int price, num_pages;

    book (){
        this.name="hi";
        this.author=null;
        this.price=0;
        this.num_pages=0;
    }

    void input (){

        Scanner s = new Scanner(System.in);
        System.out.println("Enter the name, author, price and number of pages of the book in the
given order:");

        this.name = s.next();
        this.author = s.next();
        this.price = s.nextInt();
        this.num_pages = s.nextInt();
    }

    public String toString(){
        return name+ " "+author+" "+price+" "+num_pages;
    }
}

class book_main{
    public static void main(String[] args) {

        int size, choice, x=0;
        Scanner ss = new Scanner(System.in);

        System.out.println("Enter the number of books:");
        size = ss.nextInt();

        book books[] = new book[size];
        for (int i=0; i<size; i++){
```

```
    books[i] = new book();  
}
```

```
while (x==0){
```

```
    System.out.println("1:Input 2:Display 3:Exit");  
    choice = ss.nextInt();
```

```
    switch (choice){
```

```
        case 1:  
            for (int i=0; i<size; i++){  
                books[i].input();  
            }  
            break;
```

```
        case 2:  
            for (int i=0; i<size; i++){  
                System.out.println(books[i]);  
            }  
            break;
```

```
        case 3:x=1;  
            break;
```

```
        default: System.out.println("Enter a valid input!");  
            break;
```

```
    }
```

```
}
```

```
}
```

```
}
```

```
C:\Users\G Sai Madhav\Desktop\00J\JAVA PROGRAMS\4TH JAVA PROGRAM>javac book_main.java

C:\Users\G Sai Madhav\Desktop\00J\JAVA PROGRAMS\4TH JAVA PROGRAM>java book_main
Enter the number of books:
2
1:Input  2:Display  3:Exit
1
Enter the name, author, price and number of pages of the book in the given order:
VIKRANT VIKRANT 260 300
Enter the name, author, price and number of pages of the book in the given order:
VIKRANT VIKRANT1 300 450
1:Input  2:Display  3:Exit
2
VIKRANT VIKRANT 260 300
VIKRANT VIKRANT1 300 450
1:Input  2:Display  3:Exit
3
```