

WEEK 3 JAVA LAB

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```
import java.util.Scanner;

class book{

String name;

String author;

int price;

int num_pages;

book(){

name="";

author="";

price=0;

num_pages=0;

}

void set(){

System.out.println("ENTER THE NAME OF THE BOOK");

Scanner sc=new Scanner(System.in);

name=sc.nextLine();

System.out.println("ENTER THE AUTHOR");

author=sc.nextLine();

System.out.println("ENTER THE PRICE");

price=sc.nextInt();

System.out.println("ENTER THE NUMBER OF PAGES");

num_pages=sc.nextInt();

}

public String toString() {

return("name of the book: "+name+"\n"+"name of the author: "+author+"\n"+"price of

book: "+price+"\n"+"number of pages: "+num_pages);

}
```

```
}  
  
class supply{  
    public static void main(String args[]){  
        int n;  
        System.out.println("ENTER THE NUMBER OF BOOKS");  
        Scanner kp=new Scanner(System.in);  
        n=kp.nextInt();  
        book b1[]=new book[n];  
        for(int i=0;i<n;i++){  
            b1[i]=new book();  
            b1[i].set();  
        }  
        for(int i=0;i<n;i++){  
            System.out.println("details of book "+(i+1));  
            System.out.println(b1[i]);  
        }  
    }  
}
```

Output

```
C:\Users\Admin\Desktop\1BM21CS232\for java>javac supply.java
C:\Users\Admin\Desktop\1BM21CS232\for java>java supply
ENTER THE NUMBER OF BOOKS
2
ENTER THE NAME OF THE BOOK
abc
ENTER THE AUTHOR
xyz
ENTER THE PRICE
100
ENTER THE NUMBER OF PAGES
130
ENTER THE NAME OF THE BOOK
lmn
ENTER THE AUTHOR
pqr
ENTER THE PRICE
75
ENTER THE NUMBER OF PAGES
100
details of book 1
name of the book: abc
name of the author: xyz
price of book: 100
number of pages: 130
details of book 2
name of the book: lm
name of the author: pqr
price of book: 75
number of pages: 100
C:\Users\Admin\Desktop\1BM21CS232\for java>
```