

JAVA LAB WEEK 3

VISHWAS G C (1BM21CS244)

```
import java.util.Scanner;

class Book
{
    String name,author;
    int price,num_pages;

    Book()
    {
        name="";
        author="";
        price=0;
        num_pages=0;
    }

    void set(String n,String s,int p,int nop)
    {
        name=n;
        author=s;
        price=p;
        num_pages=nop;
    }

    void get()
    {
        System.out.println("This class/(anything) contains name,author , price of the book ");
    }

    void ToString()
    {
        System.out.println("Name: "+name);
    }
}
```

```
        System.out.println("Author: "+author);  
        System.out.println("Price: "+price);  
        System.out.println("No. of pages: "+num_pages);  
    }
```

```
class Main
```

```
{  
    public static void main(String args[])  
    {  
        Scanner sc=new Scanner(System.in);  
  
        System.out.println("Enter the number of books: ");  
        int num=sc.nextInt();  
  
        Book b[]=new Book[num];  
  
        for(int i=0;i<num;i++){  
            b[i]=new Book();  
        }  
  
        for(int i=0;i<num;i++){  
            {  
                System.out.println("Book "+(i+1));  
                sc.nextLine();  
                System.out.print("Enter the name of the Book: ");  
                String n=sc.nextLine();  
                System.out.print("Enter the name of the Author: ");  
                String a=sc.nextLine();  
            }  
        }  
    }  
}
```

```
System.out.print("Enter the price of the Book: ");  
int p=sc.nextInt();  
System.out.print("Enter number of pages there in the Book: ");  
int nop=sc.nextInt();  
  
    b[i].set(n,a,p,nop);  
}  
new Book().get();  
for(int i=0;i<num;i++)  
{  
    System.out.println("\nDetails of book : "+(i+1));  
    b[i].ToString();  
}  
}  
}  
}
```

OUTPUT

```
C:\Users\Admin\Desktop>javac Main.java

C:\Users\Admin\Desktop>java Main
Enter the number of books:
2
Book 1
Enter the name of the Book: English
Enter the name of the Author: Suhas
Enter the price of the Book: 100
Enter number of pages there in the Book: 122
Book 2
Enter the name of the Book: Math
Enter the name of the Author: Subramanya
Enter the price of the Book: 200
Enter number of pages there in the Book: 222
This class/(anything) contains name,author , price of the book

Details of book : 1
Name: English
Author: Suhas
Price: 100
No. of pages: 122

Details of book : 2
Name: Math
Author: Subramanya
Price: 200
No. of pages: 222
```