

## Java lab-7

June 30, 2021

1) Create a class called Library. Write a program to manipulate the book information from files by using FileInputStream and FileOutputStream.

### Code:

```
import java.io.*;
import java.util.Scanner;

public class library
{
    public static void main(String args[])
    {
        if(args.length==0)
        {
            System.out.println("error..file name cannot be empty\n");
            return;
        }
        else
        {
            try( FileInputStream fin=new FileInputStream(args[0]);
                FileOutputStream fout=new FileOutputStream(args[0]);)
            {
                Scanner sc =new Scanner(System.in);
                System.out.print("Enter 0 to stop entering to the file..\n");
                System.out.print("Enter the Bookname : ");
                String b=sc.nextLine();
                System.out.print("Enter the Author : ");
                String a=sc.nextLine();
```

```
                while(!b.equals("0") && !a.equals("0"))
                {
                    String content=b+" : "+a+"\n";
                    byte[] x=content.getBytes();
                    fout.write(x);
                    System.out.print("Enter the Bookname : ");
                    b=sc.nextLine();
                    System.out.print("Enter the Author : ");
                    a=sc.nextLine();
                }
                System.out.println("Library contents are : ");
                int i;
                while((i=fin.read())!=-1)
                {
                    System.out.print((char)i);
                    sc.close();
                }
                catch(Exception e)
                {
                    System.out.println("Error Occurred ..." +e.getMessage());
                }
            }
        }
    }
}
```

```
}
```

## Output:

```
PS C:\Users\Asus\Desktop\GIT> cd c:\Users\Asus\Desktop\GIT\codes\ja
PS C:\Users\Asus\Desktop\GIT\codes\javacodes> java library abc.txt
Enter 0 to stop entering to the file..
Enter the Bookname : sunny morning
Enter the Author : andrew
Enter the Bookname : lonely night
Enter the Author : smith
Enter the Bookname : 0
Enter the Author : 0
Library contents are :
sunny morning : andrew
lonely night : smith
```

## 2) Comparing strings

## Code:

```
public class string {
    public static void main(String[] args) {
        String s1 = "hello";
        String s2 = "hello";
        s1 = "hi";
        String s3 = new String("hi");
        String s4 = new String("hi");

        System.out.println(s1);
        System.out.println(s2);
        System.out.println(s1==s2);
        System.out.println(s3==s2);
        System.out.println(s3==s4);
        // System.out.println(s1.intern());
    }
}
```

## Output:

```
hi  
hello  
false  
false  
false
```