

LAB 7

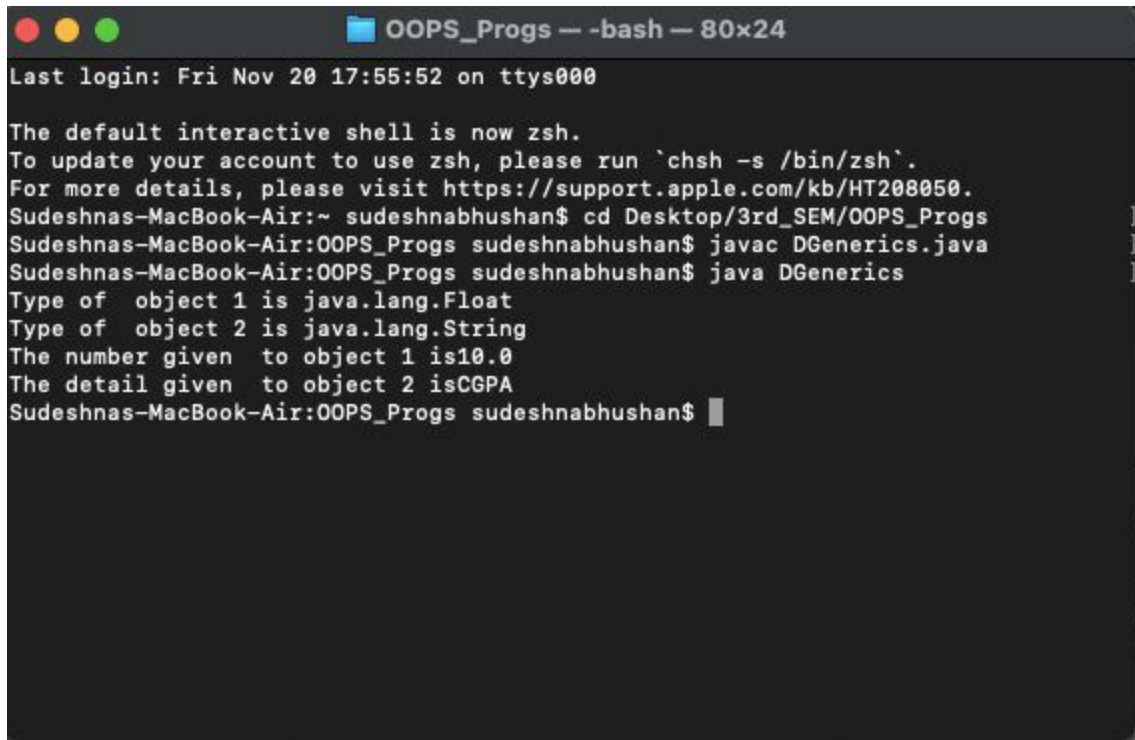
```
class GENERICSC<F,S>
{
    F object1;
    S object2;

    GENERICSC(F O1,S O2)
    {
        object1=O1;
        object2=O2;
    }
    void printname()
    {
        System.out.println("Type of object 1 is "+object1.getClass().getName());
        System.out.println("Type of object 2 is "+object2.getClass().getName());
    }
    F getob1()
    {
        return object1;
    }
    S getob2()
    {
        return object2;
    }
}

public class DGenerics
{
    public static void main(String args[])
    {
        GENERICSC<Float,String> G1=new GENERICSC<Float,String>(10f,"CGPA");
        G1.printname();
        float FL=G1.getob1();
        System.out.println("The number given to object 1 is"+FL);
    }
}
```

```
String ST=G1.getob2();
System.out.println("The detail given to object 2 is"+ST);
}
}
```

OUTPUT

A screenshot of a macOS terminal window titled "OOPS_Progs — -bash — 80x24". The terminal shows the output of a Java program. It starts with a login message, then informs the user about switching to zsh. The user navigates to the directory "Desktop/3rd_SEM/OOPS_Progs" and runs "javac DGenerics.java" and "java DGenerics". The output shows the types of two objects and the values assigned to them.

```
OOPS_Progs — -bash — 80x24
Last login: Fri Nov 20 17:55:52 on ttys000

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Sudeshnas-MacBook-Air:~ sudeshnabhushan$ cd Desktop/3rd_SEM/OOPS_Progs
Sudeshnas-MacBook-Air:OOPS_Progs sudeshnabhushan$ javac DGenerics.java
Sudeshnas-MacBook-Air:OOPS_Progs sudeshnabhushan$ java DGenerics
Type of object 1 is java.lang.Float
Type of object 2 is java.lang.String
The number given to object 1 is10.0
The detail given to object 2 isCGPA
Sudeshnas-MacBook-Air:OOPS_Progs sudeshnabhushan$
```