

# HAD LAB

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## Exercises

### 1. Write a Java Program to demonstrate Hierarchical Inheritance and document the code

Myclass.java

```
package a.b.c;

public class MyClass {

    public static void main(String[] args) {

        SuperClass c=new SuperClass();
        c.StudentNames= "Yashodha";
        c.display();

        ChildClass n=new ChildClass();
        n.showNames();
    }

}
```

SuperClass.java

```
package a.b.c;

public class SuperClass{
    String StudentNames= "Chandini";
    public void display() {
        System.out.println("Student Name is:
"+StudentNames);
    }
}
```

ChildClass.java

```
package a.b.c;

public class ChildClass extends SuperClass {

    public void showNames() {
        super.display();
        System.out.println("Show Student Name " +StudentNames);
    }

    @Override
    public void display() {
        System.out.println("This is Override Method");
    }
}
```

## OUTPUT:

```
Student Name is: Yashodha
Student Name is: Chandini
Show Student Name Chandini
```

MyClass.java SuperClass.java ChildClass.java x

Exerise1 src a.b.c ChildClass showNames(): void

```
1 package a.b.c;
2
3 public class ChildClass extends SuperClass {
4
5     public void showNames() {
6         super.display();
7         System.out.println("Show Student Name " +StudentNames);
8     }
9
10 }
11
12 @Override
13 public void display() {
14     System.out.println("This is Override Method");
15 }
16 }
17
```

Outline x

a.b.c

ChildClass

- showNames(): void
- display(): void

Problems Javadoc Declaration Console x

<terminated> MyClass [Java Application] /snap/eclipse/61/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.linux.x86\_64\_17.0.3.v20220515-14

Student Name is: Yashodha  
Student Name is: Chandini  
Show Student Name Chandini