

Experiment No. 2

Program 1:

MultiLevel Inheritance:

```
public class Dad {  
    public void display(){  
        int age=55;  
        System.out.println("Dad's Age Is "+age);  
    }  
}  
  
public class Son extends Dad {  
    public void display1(){  
        int age=28;  
        display();  
        System.out.println("Son's Age Is "+age);  
    }  
  
    public static void main(String[] args) {  
        Son s= new Son();  
        s.display1();  
    }  
}  
  
public class Grandson extends Son{  
    public void print(){  
        int age=01;
```

```

        System.out.println("Grandson's Age Is "+age);
    }

    public static void main(String[] args) {

        Grandson g=new Grandson();

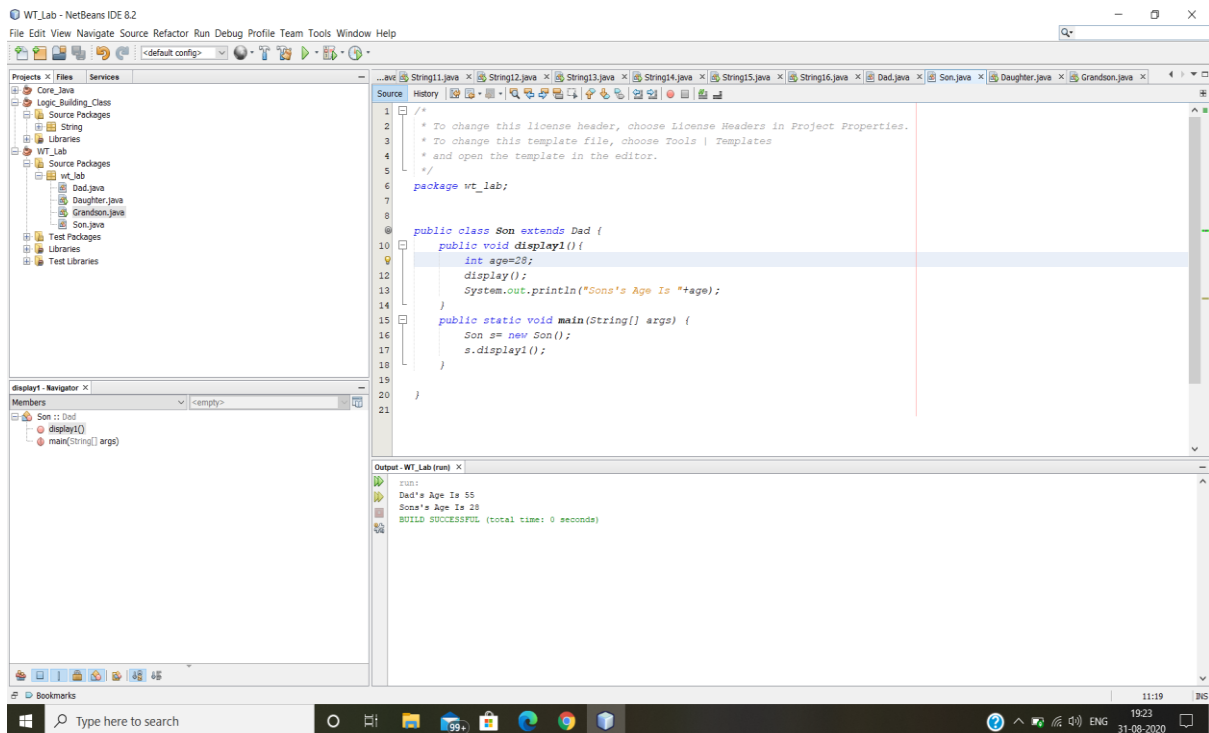
        g.display1();

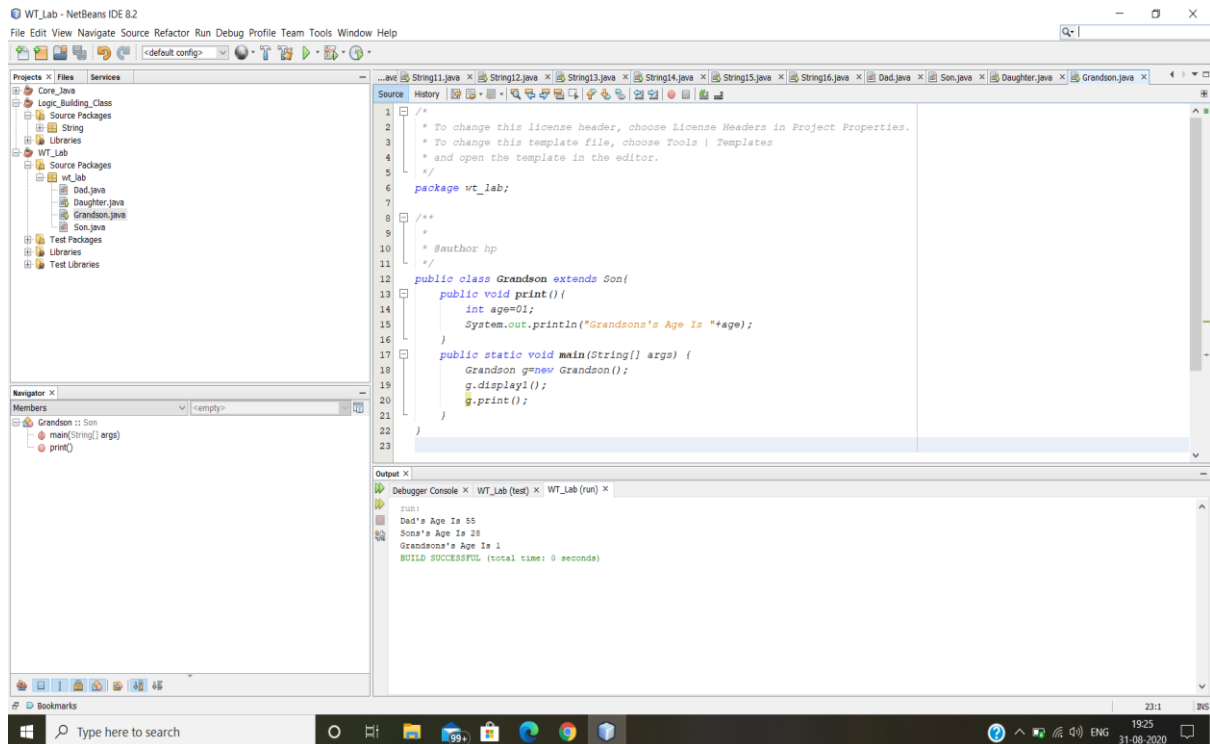
        g.print();

    }

}

```





Hierarchical Inheritance:

```
public class Dad {
    public void display(){
        int age=55;
        System.out.println("Dad's Age Is "+age);
    }
}

public class Son extends Dad {
    public void display1(){
        int age=28;
        display();
        System.out.println("Son's Age Is "+age);
    }

    public static void main(String[] args) {
        Son s= new Son();
        s.display1();
    }
}
```

```

}

public class Daughter extends Dad{

    public void display(){

        int age= 24;

        super.display();

        System.out.println("Daughter's Age Is "+age);

    }

    public static void main(String[] args) {

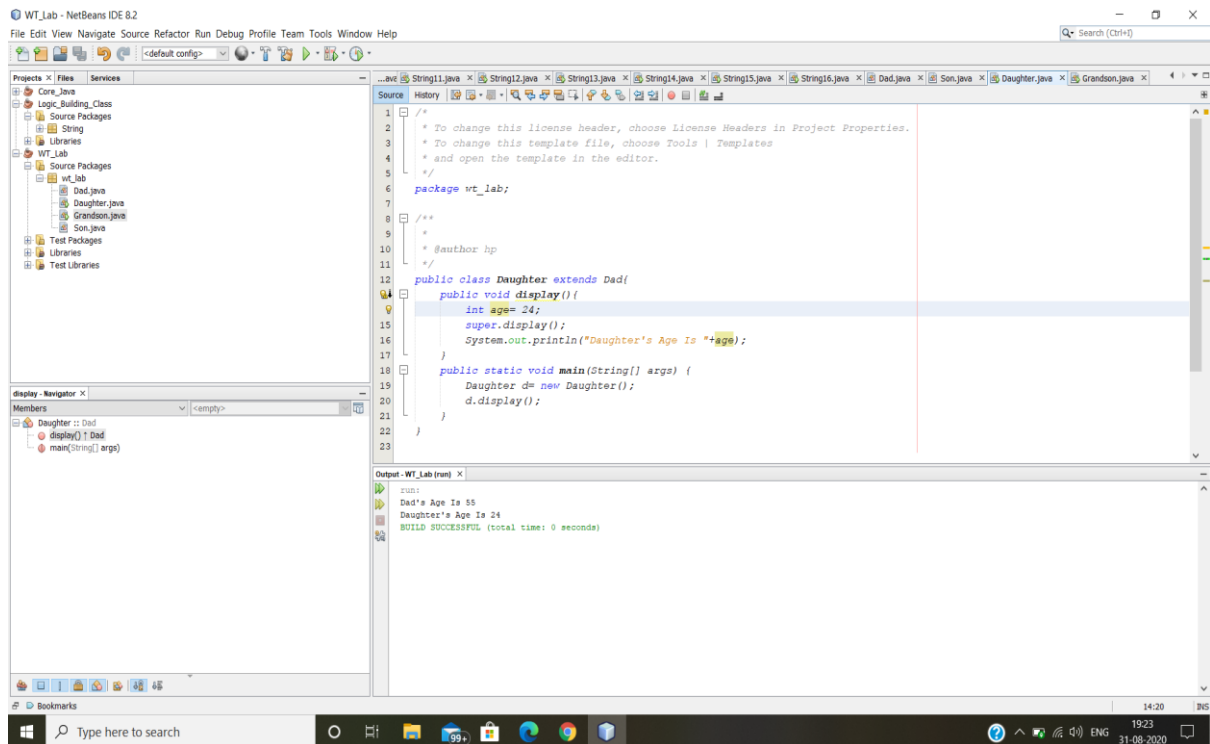
        Daughter d= new Daughter();

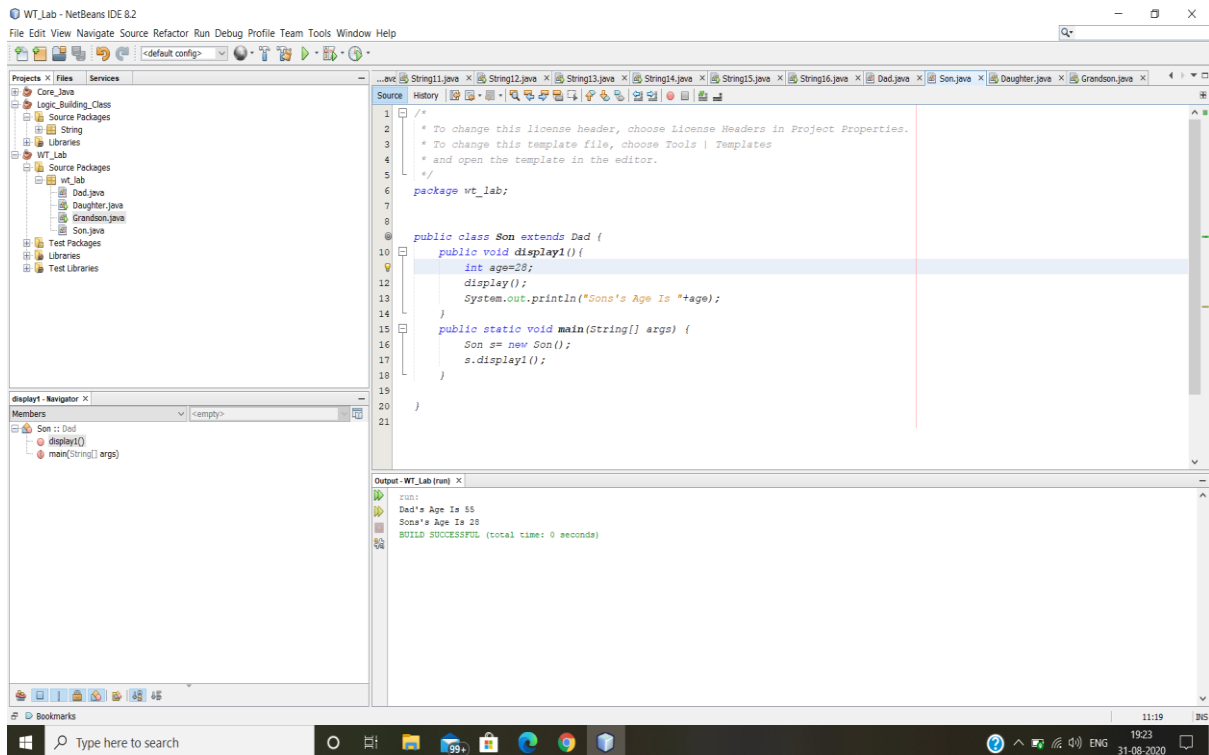
        d.display();

    }

}

```





Program 2:

package Abtract;

public abstract class Mother{

public abstract void occupation();

public void age(){

int age= 44;

System.out.println("Mother's Age Is "+age);

}

}

package Abtract;

public class Child extends Mother

{

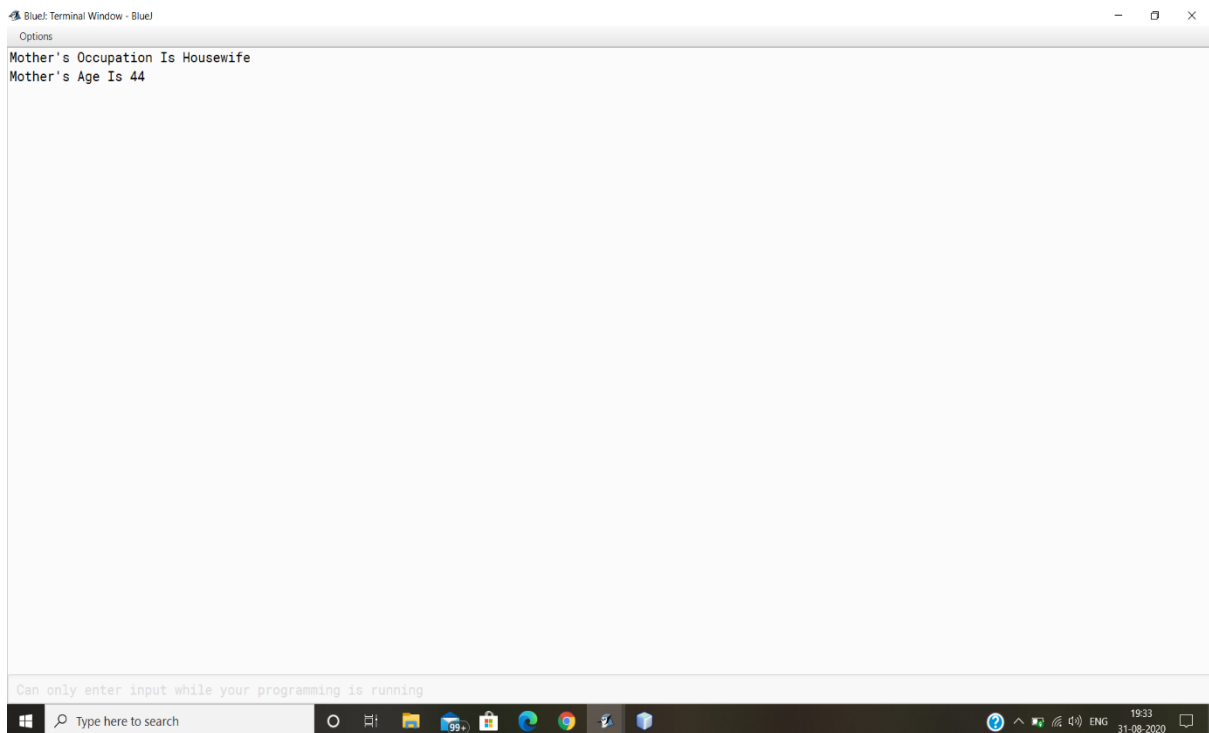
public void occupation(){

System.out.println("Mother's Occupation Is Housewife");

}

}

```
package Abtract;  
public class Mains  
{  
    public static void main(String[] args){  
        Child c=new Child();  
        c.occupation();  
        c.age();  
    }  
}
```



The screenshot shows a BlueJ Terminal Window titled "BlueJ Terminal Window - BlueJ". The window has a menu bar with "Options". The output of the program is displayed as two lines: "Mother's Occupation Is Housewife" and "Mother's Age Is 44". At the bottom of the terminal window, a message reads "Can only enter input while your programming is running". The Windows taskbar is visible at the bottom of the screen, showing the search bar, task view button, and several application icons including File Explorer, Edge, Chrome, and BlueJ. The system tray on the right shows the date and time as 19:33 on 31-08-2020.

Compiled By:

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