

Lab-8)

```
class WrongAge extends Exception
{
    public String toString()
    {
        return "Son's age cannot be equal to
        father's age.\n";
    }
}
```

```
class Father {
    int fatherAge;
    Father(int fatherAge)
    {
        this.fatherAge = fatherAge;
    }
}
```

```
class Son extends Father
{
    int sonAge;
    Son(int fatherAge, int sonAge)
    {
        super(fatherAge);
        this.sonAge = sonAge;
    }

    void checkAge() throws WrongAge {
        if (fatherAge == sonAge)
        {
            throw new WrongAge();
        }
    }
}
```

```
public class Lab8 {
    public static void main(String[] args)
    {
        Son s1 = new Son(40, 40);
        Son s2 = new Son(30, 30);
        try {
            s1.checkAge();
            System.out.println("Acceptable ages.");
        }
        catch (WrongAge w) {
            System.out.println("Caught exception: "
            + w);
        }
    }
}
```



```
try {  
    s2.checkAge();  
    System.out.println("Acceptable ages");  
}  
catch (WrongAge w)  
{  
    System.out.println("Caught exception: "+  
        w);  
}  
}
```