

## LAB Program 8 - Exception

```
import java.util.Scanner;
class WrongAge extends Exception {
```

BHARATH

18M19CS035

```
    int age;
```

```
    WrongAge (int x)
```

```
    {
```

```
        age = x;
```

```
    }
```

```
    public String toString ()
```

```
    {
```

```
        return " AGE OF SON = " + age + " is  
        entered incorrectly " ;
```

```
    }
```

```
}
```

```
class Father {
```

```
{
```

```
    int a;
```

```
    Father (int x)
```

```
    {
```

```
        super (f);
```

```
        a = x;
```

```
    }
```

```
}
```

```
class son extends father
```

```
{
```

```
    int age;
```

```
    son (int f, int s)
```

```
    {
```

```
        super (f);
```

```
        age = s;
```

```
    }
```

```
    void compute () throws WrongAge
```

```
    {
```

```
        if (age >= a)
```

```
            throw new WrongAge (age);
```

```
        else
```

```
        {
```

```
            System.out.println ("Ages entered correctly");
```

```
            System.out.println ("Fathers age = " + a + " Sons  
                                age = " + age);
```

```
        }
```

```
    }
```

```
}
```

```
class ExceptionMain  
{
```

```
    public static void main(String args[])  
    {
```

```
        Scanner sc = new Scanner (System.in);
```

```
        System.out.println("Enter Father's age");
```

```
        int f = sc.nextInt();
```

```
        System.out.println("Enter Son's age");
```

```
        int s = sc.nextInt();
```

```
        Son s1 = new Son(f,s);
```

```
        try
```

```
        {
```

```
            s1.compute();
```

```
        }
```

```
        catch (WrongAge x)
```

```
        {
```

```
            System.out.println(x);
```

```
        }
```

```
    }
```

```
}
```