

Lab - 8

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Exceptions

USN : 1BM19CS089

```
import java.util.Scanner
```

```
class WrongAge extends TypeException
```

```
{  
    int age;
```

```
    WrongAge (int x) {
```

```
        age = x;
```

```
    }
```

```
    public String toString() {
```

```
        return "Age of Son is " + age + " is  
                entered incorrectly";
```

```
    }
```

```
}
```

```
class Father {
```

```
    int a;
```

```
    Father (int x) {
```

```
        a = x;
```

```
    }
```

```
}
```

```
class son extends Father {
```

```
    int age;
```

```
son (int fage, int sage) {
    super (fage);
    age = sage;
}
```

```
void compute () throws WrongAge {
    if (age >= a)
        throw new WrongAge (age);
    else {
        System.out.println ("The ages are entered correctly");
        System.out.println ("father's age = " + a + "\t" + "Son's age = " + age);
    }
}
```

```
class ExceptionsMain {
    public static void main (String args[]) {
        Scanner s = new Scanner (System.in);
        int
        System.out.println ("Enter father's age");
    }
}
```

```
int f = s.nextInt();  
System.out.println("Enter son's age");  
int so = s.nextInt();  
Son ss = s.next new Son(f, so);  
try {  
    ss.compute();  
}  
catch (WrongAge e)  
{  
    System.out.println(e);  
}  
}  
}
```