

## Exception Handling

IT-22013

```
import java.util.*;  
class Student ext extends Exception {  
    public Student (String message) {  
        super(message);  
    }  
}
```

```
public class StudentValidator {  
    public static
```

```
class Department extends Exception {  
    public Department (String message) {  
        super(message);  
    }  
}
```

```
public class StudentValidator {  
    public static void main (String [] args) {  
        Scanner sc = new Scanner (System.in);  
        boolean hasError = false;
```

```
        try {  
            System.out.print ("Enter age: ");  
            int age = sc.nextInt();  
            sc.nextLine();  
            System.out.print ("Enter department: ");  
            String department = sc.nextLine();
```

```
        }  
        try {  
            if (age < 18) {  
                hasError = true;  
                throw new Student ("Age must be 18 or older");  
            }  
        }
```

```
catch (Student e) {  
    System.out.println("Exception: " + e.getMessage());  
}
```

```
try {  
    if (!department.equals(IgnoreCase("ICT"))) {  
        hasError = true;  
        throw new Invalid Department("Dept. must be ICT");  
    }  
}
```

```
catch (Department e) {  
    System.out.println("Exception: " + e.getMessage());  
}
```

```
if (!hasError) {  
    System.out.println("Valid");  
}
```

```
finally {  
    sc.close();  
    System.out.println("Validation completed");  
}
```

```
}  
}  
}
```