

Imtoss Ahanad

IT-22055

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

```
class InvalidException extends Exception {
```

```
    public InvalidException(String message) {  
        super(message);  
    }  
}
```

```
class InvalidDepartmentException extends Exception {
```

```
    public InvalidDepartmentException(String message) {  
        super(message);  
    }  
}
```

```
public class main {  
    class AgeDepartmentChecker {
```

```
        public static void validate(int age, String  
        Department) throws InvalidException, InvalidDepart-  
        mentException {
```

```
            if (age < 18) {
```

```
                throw new InvalidException("Age  
                must be 18 or above");  
            }  
        }  
    }  
}
```

```
if (!department.equalsIgnoreClass("ICT")) {  
    throw new InvalidDepartmentException("Dept must be ICT");  
}
```

```
System.out.println("Validation successful");  
}
```

```
public static void main(String[] args) {  
    Scanner imrose = new Scanner(System.in);  
    try {
```

```
        System.out.print("Enter age");  
        int age = imrose.nextInt();
```

```
        imrose.nextLine();
```

```
        System.out.print("Enter department");  
        String department = imrose.nextLine();
```

```
        validate(age, department);
```

```
    } catch (InvalidException e) {
```

```
        System.out.println("Age error: " + e.getMessage());
```

```
    } catch (InvalidDepartmentException d) {
```

```
        System.out.println("Department error: " + d.getMessage());  
    }  
}
```

```
finally {  
    System.out.println("Validation process ended");  
}
```