

Exception handling using module & packages

IMRAN HAMID

ID: IT-22010

package exception;

```
public class AgeException extends Exception {
```

```
    public AgeException (String m) {
```

```
        super(m);
```

```
    }
```

package exception;

```
public class DeptException extends Exception {
```

```
    public DeptException (String m) {
```

```
        super(m);
```

```
    }
```

```
}
```

package validation;

```
import exception. AgeException;
```

```
import exception. DeptException;
```

```

public class SValidation {
    public static void ValidateStudent (int age, String Dept)
        throws AgeException, DeptException {
        if (age < 18) {
            throw new AgeException ("Age must be above 18");
        }
        if (! Dept.equalsIgnoreCase ("DET")) {
            throw new DeptException ("Dept must be DET");
        }
        System.out.println ("Student is valid.");
    }
}

import java.util. Scanner;
import exception. Invalid AgeException;
import exception. DeptException;
import validation. Validator;

```

```

public class mainapp {
    public static void main (String[] args) {
        Scanner sc = new Scanner (System.in);

        try {
            System.out.println ("Enter age");
            int age = sc.nextInt();

            System.out.println ("Enter dept");
            String dept = sc.nextLine();

            SValidator.validateStudent (age, dept);
        }
        catch (AgeException | DeptException e) {
            System.out.print ("Validation error" + e.getMessage())
        }
        catch (exception.e) {
            System.out.println ("Unexcepted error:" + e.getMessage())
        }
        finally {
            sc.close();
        }
    }
}

```

