}

Assignment: Exception Handling using module & Package

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```
package exception;
public class InvalidException extends Exception {
public InvalidException (String message) {
    super(message);
  }
}

package exception;
public class InvalidDepartmentException extends Exception
{
  public InvalidDepartmentException (String message)
  {
    super(message)
  }
}
```

```java
package validation;
import exception.InvalidException;
import exception.InvalidDepartmentException;
public class studentValidator {
    public static void validateStudent(int age, string
                                    Department)
    throws InvalidException, InvalidDepartmentException {
    if (age < 18) {
        throw new InvalidException("Age must be above
                                    18");
    }
    if (!department.equalsIgnoreCase("ICT")) {
    throw new InvalidDepartmentException("Dept must be ICT");
    }

    System.out.println("Student is valid :");

    }
}
```

```java
import java.util.Scanner;
import exception.InvalidException;
import exception.InvalidDepartmentException;
import validation.StudentValidator;
public class mainapp {
    public static void main (String[] args) {
    Scanner sc = new Scanner (System.in);
try {
        System.out.print ("Enter age : ");
        int age = sc.nextInt();
        sc.nextLine();
        System.out.println ("Enter department : ");
        String department = sc.nextLine();
        StudentValidator.validateStudent(age, department);
    }
    catch (InvalidException | InvalidDepartmentException e)
    {
        System.out.print (" Validation error:" + e.getmessage);
    }
    catch (exception e) {
        System.err.println ("Unexpected error :" + e.get
                                            message());
    } finally {  sc.close() ;
    }
  }
}
```