TD: IT-22002

Assignment: A-program that ensure's student
age and department validation using package
and module in Javai

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Step-1: Constructing module-info Java class.

module age Dept Validation, module {

exports communiversity admission;

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Step-2: Constructing Invalid Age Exception Java dass.

Package com. university admission;

public class Invalid Age Exception extends

Exception {

public Age Exception (String message) { super(message); wood tragmi public class age Dept validation { S (states of the states) used property orders Step-3: Constructing Invalid Department Exception clost. (shs) wowers mon = 35 wowners 3 (ount) olida package communivensity admission of fund not od ,,) ultimed promuspsks public class Invalid Department Exception some rapidations (LES/NO):) extends Exception { public Invalid Department Exception (string if (c) (sporsamils I gnone (ase ("No")) mongong") a super (message) is a il. babna : Noord Step-4! Constructing main age Dept Validation java class. : () +aI +xon. >2 = 180 +ni

package com.university.admission;

import java.util.*;

public class age Dept validation {

public static void main (string [] angs) {

Scanner sc= new Scanner (System.in);

white (4 mue) {

System.out.pnintln("Do you want to Stant validation? (YES/NO):"):

String choice = scinextline();

if (choice equals Ignone Case ("No")) {

System out printin ("Programended."):

break;

3

System out printin ("Enter age:");
intage = sc. next Int();

System.out.print("Enten department:"); String department=1sc.nextline(); 1) +1 boolean has Ennon= false; + they & mbo. Replaner noo men mondt Loval if (age (18) (toom trops of blown I throw new comuniversity admission. Invalid Age Exception ("Invalid age: b. lava L. no se mot eligible for university. "); 3 3 (a noitgood toomtraged 3 catch (com university admission. Invalid Age (Ospe Exception e) { System.out. printh (& Caughit Exception: "+ e.get Message ()); has Ennon strate nonneson) +1 Libra) attaing two molet?

: 680+ ": 180

try (thought notate) thank the martine if (! depantment, equals Ignore Case ("ICT") boolean has Enmon = Tale o' throw new com university admission. Invalid Department Exception ("Invalid department: Only ICT is allowed - ") I and dage Exception ("I and I de de catch (com. university admission. Invalid Department Exception e) { A bilou Systemout printin (" Caught Exception: "+ (e.get Message()); moil good thas Ennon-thereing two moles e deques sobe () b.

System.out-pnintln ("valid
age: "tage):

```
System.out.printin ("Valid department: "+
                        department);
3
 System.out.println();
3
 Output:
Do you want to stant validation (YES/NO): YES
Enter age: 19
Enten department: ICT
valid age: 19
valid department: ICT
Do you want to stant validation? (YES/NO): NO
Program ended
```