## 

## **Experiment-7**

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**Branch:** 18AITAIML-2 **Section/Group:** B

**Semester:** 7 **Date of Performance:** 13th October, 2021

**Subject Name:** Advanced Database Management Lab **Subject Code:** CSP - 434

# Aim/Overview of the practical:

To implement Pl/SQL programming using Exception Handling.

# Task to be done:

To implement Pl/SQL programming using Exception Handling.

# Steps to be followed:

**Implementing SYSTEM-DEFINED EXCEPTION:**

# SET SERVEROUTPUT ON;

DECLARE

X MARKS.Marks%TYPE:=&X;

STU\_NAME MARKS.Name%TYPE;

BEGIN

SELECT Marks,Name INTO X,STU\_NAME FROM MARKS;

DBMS\_OUTPUT.PUT\_LINE('Student Name:' || STU\_NAME);

DBMS\_OUTPUT.PUT\_LINE('Student Marks:' || X);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

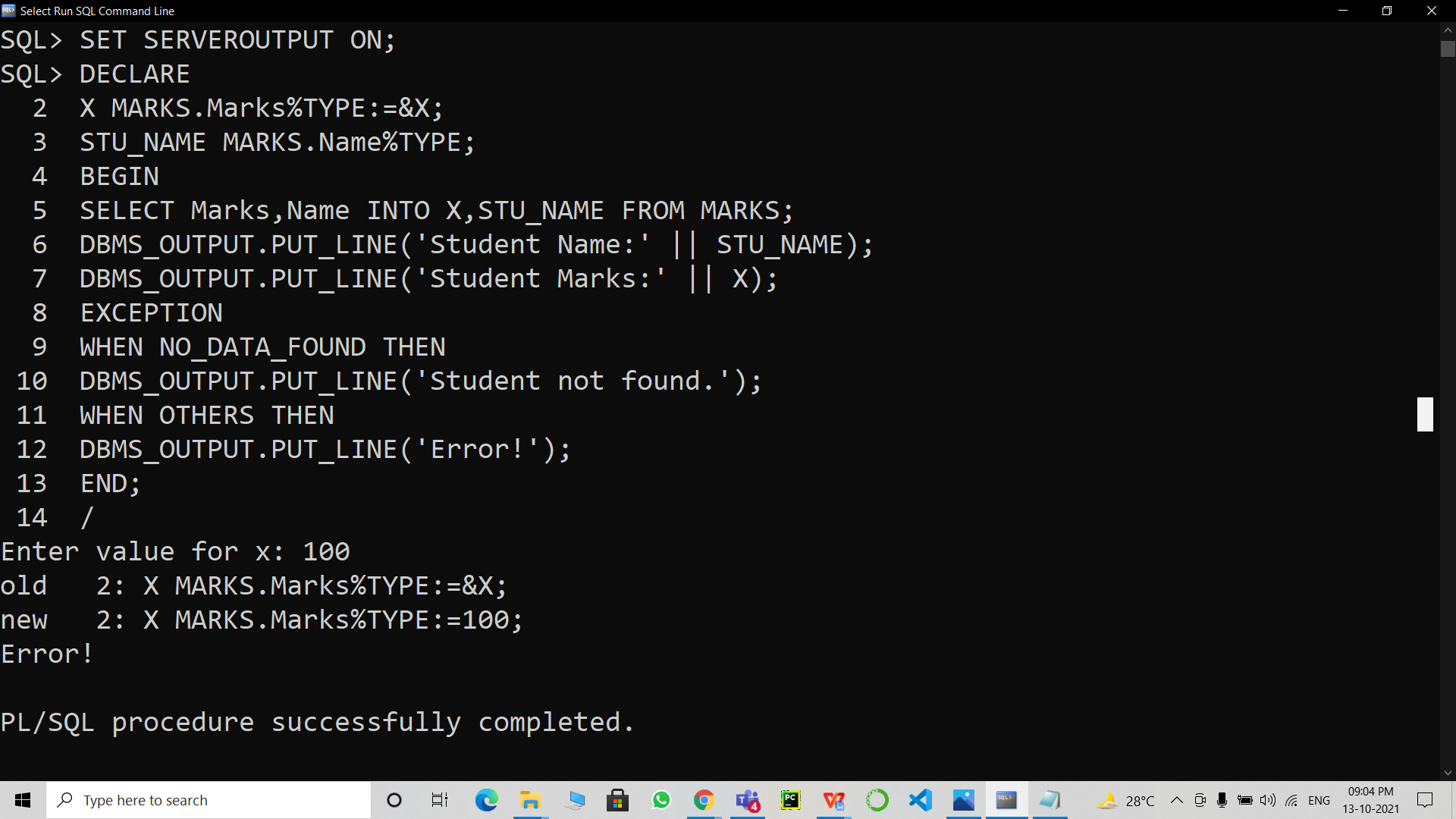
DBMS\_OUTPUT.PUT\_LINE('Student not found.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error!');

END;

/



**Implementing USER-DEFINED EXCEPTION:**

1. SET SERVEROUTPUT ON;

DECLARE

AGE int:=20;

EX\_INVALID\_AGE EXCEPTION;

BEGIN

IF AGE<18 THEN

RAISE EX\_INVALID\_AGE;

ELSE

DBMS\_OUTPUT.PUT\_LINE('You are eligible to vote.');

END IF;

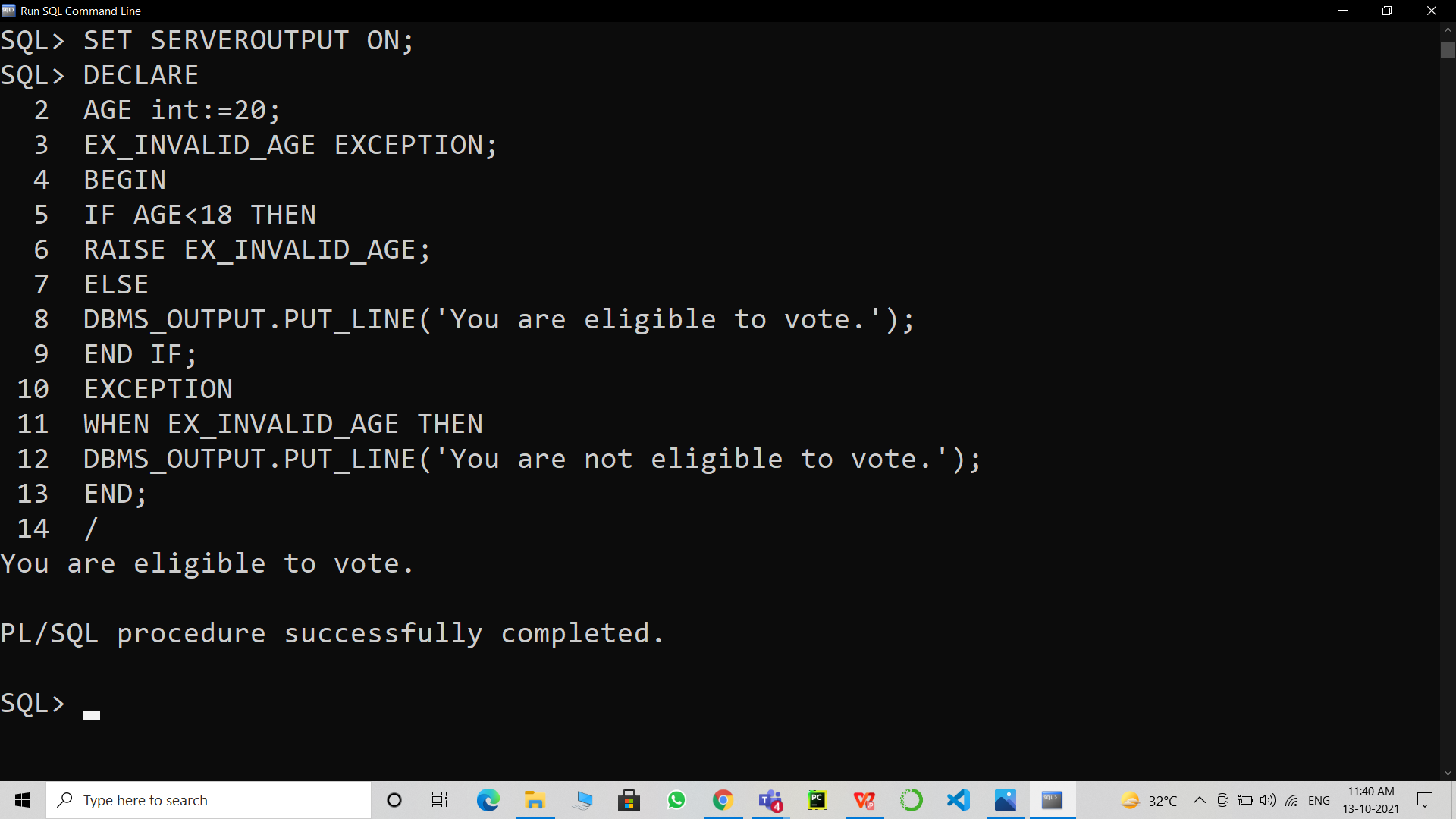
EXCEPTION

WHEN EX\_INVALID\_AGE THEN

DBMS\_OUTPUT.PUT\_LINE('You are not eligible to vote.');

END;

/



1. **Result/Output/Writing Summary:**

* Successfully implemented EXCEPTIONS.
* Successfully implemented SYSTEM-DEFINED EXCEPTIONS.
* Successfully implemented USER-DEFINED EXCEPTIONS.
* Successfully understood the functioning and importance of the above mentioned.

# Learning outcomes (What I have learnt):

* How to implement EXCEPTIONS on SQL Command Line.
* How to implement SYSTEM-DEFINED EXCEPTIONS on SQL Command Line.
* How to implement USER-DEFINED EXCEPTIONS on SQL Command Line.

**Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |