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DBMSL ASSIGNMENT 5

* TITLE: PL/SQL WITH EXCEPTION HANDLING

* PROBLEM STATEMENT:

Write a stored procedure namely proc-grade for categorization of student. If marks scored by students in examination is ≤ 1500 & marks ≥ 900 , then student will be placed in distinction category. If marks scored are between ~~989~~ 899 & 990 then first class else if $825 \leq \text{marks} \leq 899$ category is second class.

Given 2 schemes \Rightarrow stud-marks (name, total-marks)
result (roll, name, class)

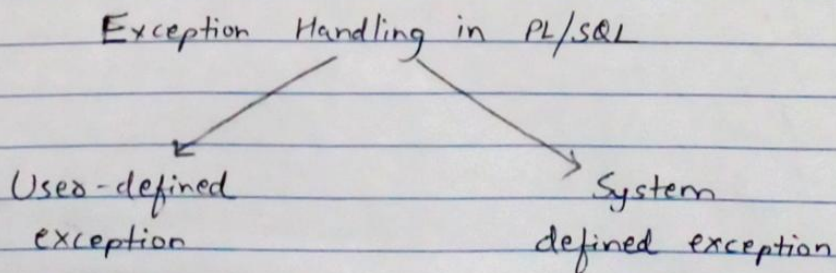
* OBJECTIVES:

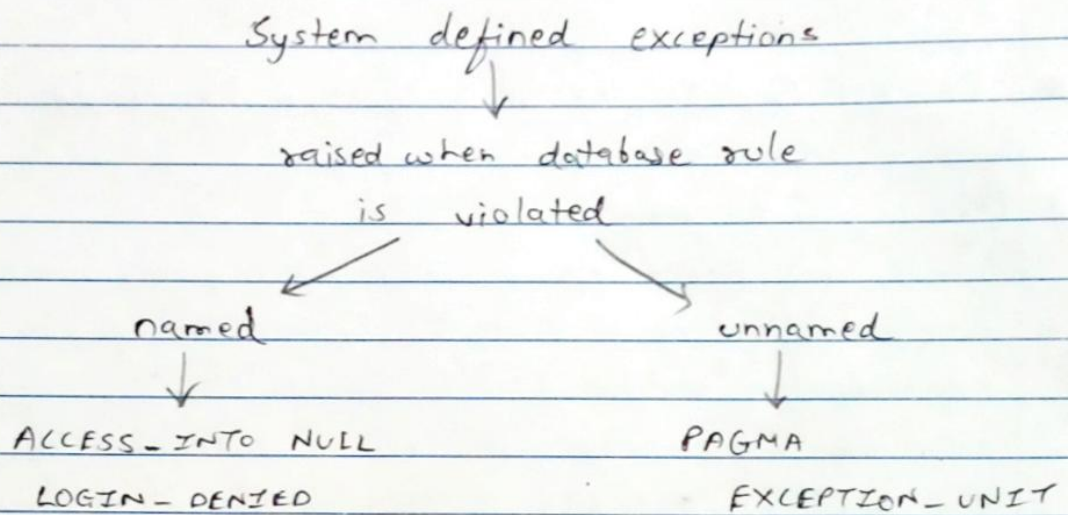
- 1) To implement PL/SQL stored procedures to update tables.
- 2) To ~~kan~~ implement exception handling in PL/SQL stored procedure.

* REQUIREMENTS:

MySQL installed computer system.

* THEORY:





User-defined exceptions

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users create their own exceptions
& use explicit 'raise' command.

* TEST CASES:

Input	Output
1) create table stud-marks (name varchar(20), marks int)	table created
2) values inserted ('p1' , 1000) ('p2' , 990) ('p3' , 850) ('p4' , 1200) ('p5' , 1300)	value inserted in table stud-marks

3) call proc-grade('p1')

category updated for
student 'p1'

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'p1' → distinction.

4) call proc-grade('p3')

category updated for
student 'p3'

↓
'p3' → first class

5) call proc-grade('p2')

category updated for
student 'p2'

↓
'p2' → second class

* CONCLUSION:

By implementing this assignment, we are able to write PL/SQL procedure for evaluating student marks with implementation of exception handling.