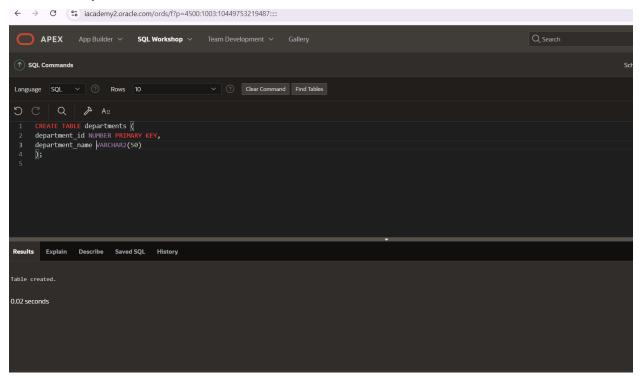
## PL\_SQL APEX PRACTICE TRIGGERS

- Shaik sumiya

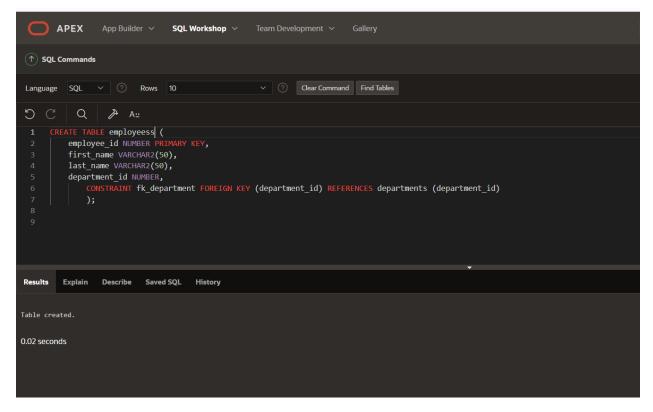
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Write a code in PL/SQL to develop a trigger that enforces referential integrity by preventing the deletion of a parent record if child records exist.

#### Create departments table:



#### Create the 'employeess' table with a foreign key reference



#### Create a trigger to enforce referential integrity

```
Language SQL V Rows 10 V Clear Command Find Tables

C Q A A:

1 CREATE OR REPLACE TRIGGER prevent_parent_deletion
2 BEFORE DELETE ON departments
3 FOR EACH ROW
4 DECLARE
5 V_COUNT NUMBER;
6 BEGIN
7
8 SELECT COUNT(*) INTO V_COUNT FROM employeess WHERE department_id = :OLD.department_id;
9
10 IF V_COUNT NUMBER;
11 IF V_COUNT NUMBER;
12 END IF;

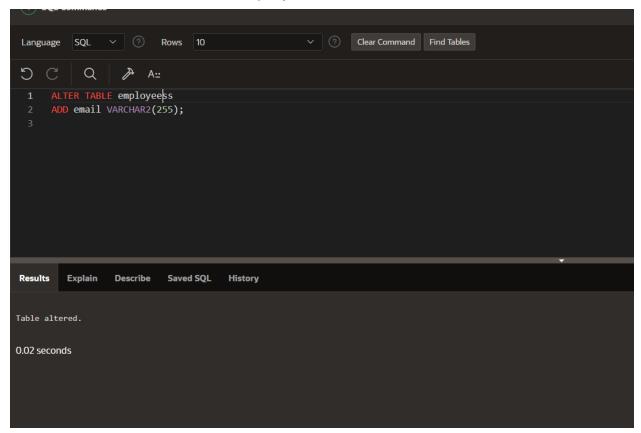
Results Explain Describe Saved SQL History

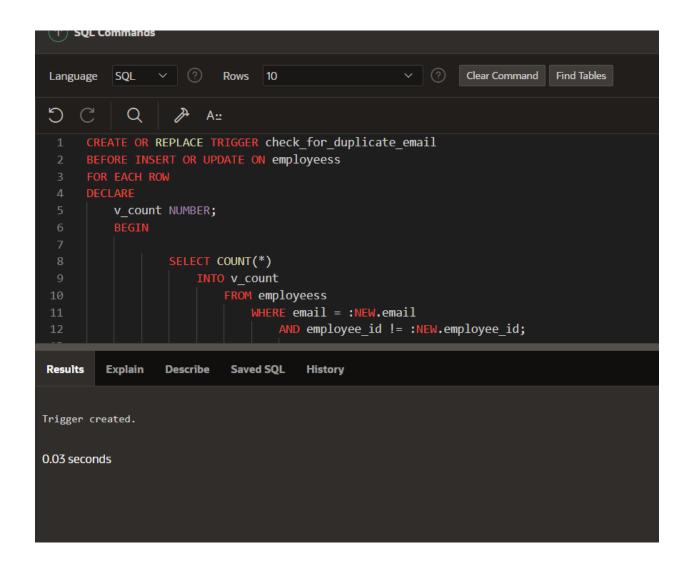
Trigger created.

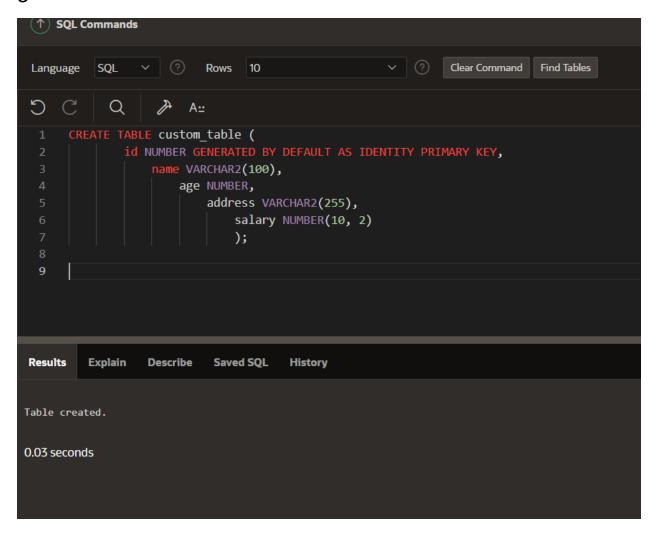
0.02 seconds
```

Write a code in PL/SQL to create a trigger that checks for duplicate values in a specific column and raises an exception if found.

Add a column email to the employeess table



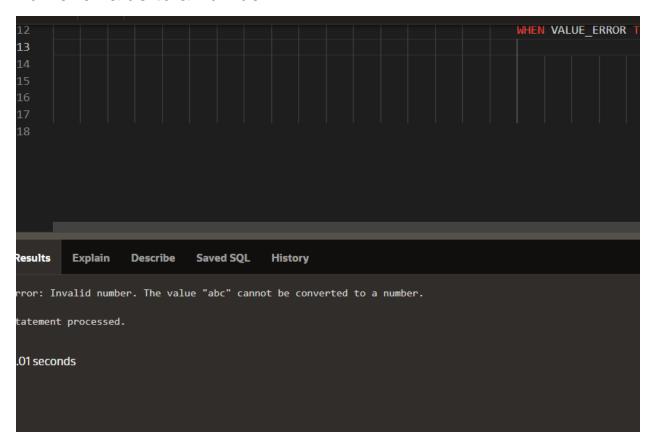




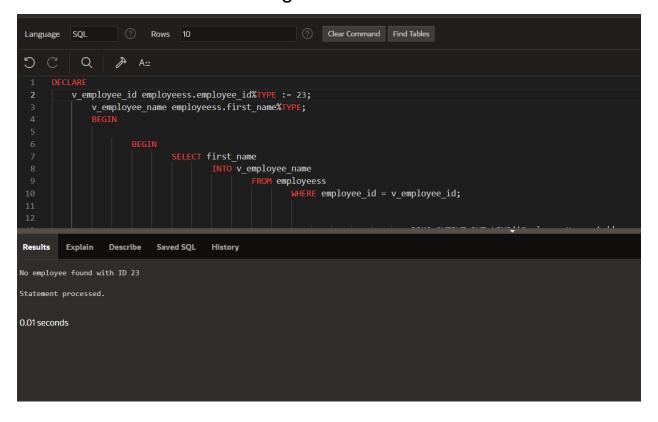
### **Exception handling**

# Write a PL/SQL block to handle the exception when a division by zero occurs

Handle the INVALID\_NUMBER exception when converting a non-numeric value to a number.



Handle the NO\_DATA\_FOUND exception when retrieving a row from a table and no matching record is found.



Handle the TOO\_MANY\_ROWS exception when retrieving multiple rows instead of a single row from a table.

