TRIGGER CODES

HU22CSEN0100287

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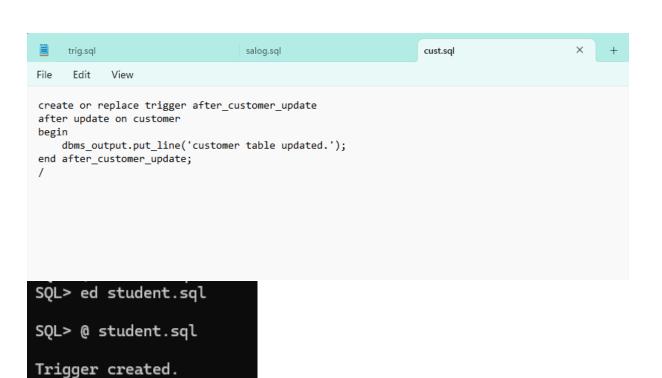
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Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\H-CSE-506-22> sqlplus hu22csen0100287/seswarap@//172.21.51.130:1521/orclpdb
SQL*Plus: Release 23.0.0.0.0 - Production on Wed Oct 9 15:27:00 2024
Version 23.4.0.24.05
Copyright (c) 1982, 2024, Oracle. All rights reserved.
Last Successful login time: Wed Oct 09 2024 10:20:33 +05:30
Oracle Database 21c Enterprise Edition Release 21.0.0.0.0 - Production Version 21.3.0.0.0
SQL> CREATE TABLE emp (employee_id NUMBER PRIMARY KEY, first_name VARCHAR2(50), salary NUMBER);
Table created.
SQL> create table salary_log1 (employee_id number, old_salary number, new_salary number, change_date date);
Table created.
SQL> create table customer1 (customer_id number primary key, customer_name varchar2(50));
Table created.
SQL> create table student1 (student_id number primary key, name varchar2(50), marks number, grade varchar2(2));
Table created.
SQL> create table voter (voter_id number primary key, name varchar2(50), age number);
SQL> insert into emp (employee_id, first_name, salary) values (1, 'john', 50000);
1 row created.
SQL> insert into emp (employee_id, first_name, salary) values (2, 'jane', 60000);
1 row created.
SQL> insert into customer1 (customer_id, customer_name) values (1, 'acme corp');
1 row created.
SQL> insert into customer1 (customer_id, customer_name) values (2, 'globex inc');
1 row created.
SQL> insert into salary_log1 (employee_id, old_salary, new_salary, change_date) values (1, null, 50000, sysdate);
1 row created.
SQL> insert into salary_log1 (employee_id, old_salary, new_salary, change_date) values (2, null, 60000, sysdate);
1 row created.
SQL> insert into student1 (student_id, name, marks, grade) values (1, 'alice', 95, 'a');
1 row created.
SQL> insert into student1 (student_id, name, marks, grade) values (2, 'bob', 88, 'b');
1 row created.
SQL> insert into voter (voter_id, name, age) values (1, 'charlie', 25);
1 row created.
SQL> insert into voter (voter_id, name, age) values (2, 'david', 30);
1 row created.
SQL> ed trig.sql
SQL> @ trig.sql
```

```
+
      trig.sql
      Edit
             View
create or replace trigger before_salary_update
before update on employee
for each row
declare
     v_salary_difference number;
begin
     v_salary_difference := :new.salary - :old.salary;
     dbms_output.put_line('salary difference: ' || v_salary_difference);
end before_salary_update;
/
SQL> ed salog.sql
SQL> @ salog.sql
     trig.sql
                                   salog.sql
      Edit
             View
 create or replace trigger after_employee_insert
after insert on employee
for each row
begin
    insert into salary_log (employee_id, old_salary, new_salary, change_date)
    values (:new.employee_id, null, :new.salary, sysdate);
end after_employee_insert;
 /
```

SQL> ed cust.sql

SQL> @ cust.sql

Trigger created.





SQL> ed voter.sql
SQL> @ voter.sql
Trigger created.

