

CSE216, July 2022 (A1 and A2)

Trigger Online

Duration: 50 minutes

Create the following table:

```
CREATE TABLE emp_tmp (E ID VARCHAR2(10) PRIMARY KEY,  
NAME VARCHAR2(50) NOT NULL,  
AGE NUMBER(3),  
SALARY NUMBER (8,2)  
ADDR_LINE1 VARCHAR2(50) NOT NULL,  
ADDR_LINE2 VARCHAR2(50),  
CITY VARCHAR2(50) NOT NULL,  
DISTRICT VARCHAR2(50) NOT NULL ) ;
```

Q1:

Create a trigger named **tr_insert_delete_(your id)** that will be executed **before** an insertion or deletion of a record in emp_tmp table. When the trigger is executed, it will display the following:

The inserted record is:

EID = ----

Name = -----

Salary = -----

Or

The deleted record is:

EID = ----

Name = -----

Salary = -----

Test the trigger first inserting the following data and deleting them:

'E0001', 'Abdullah', 30, 50000, 'North', '', 'Uttara', 'Dhaka'

'E0002', 'Jafar', 25, 40000, 'South', '', 'Gulshan', 'Dhaka'

'E0003', 'Fateema', 30, 80000, 'North', '', 'Uttara', 'Dhaka'

Q2:

Create a trigger named **tr_update_(your id)** that will be executed **after update** in emp_tmp table and display the following information. The trigger will be executed only while updating the SALARY attribute and the updated SALARY value must be greater than 0 and less than 999999. When the trigger is executed, it will display:

The update information is:

EID: -----

Name: -----

SALARY before update: -----

SALARY after update: -----

Q3. Create a trigger named **tr_backup_(your id)** that will be executed **after delete** in emp_tmp table. If the age of the deleted record is less than 30, then the record will be inserted to emp_young relation. For others, the record will be inserted to emp_adult relation.