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.