DATE: 15/9/25

TASK: 6

TRIGHERS VIEWS AND EXCEPTIONS

AIM: To implement PLISQL procedures, Functions and loops on Number Theory and business Scenarios.

procedure:

- · PLISQL is a combinationation Customer table
- · Insert the values
- · Perform trigger operation
- · Perform View operation
- o perform Exception Handling
- Implementing Triggers. 10

CREATE TABLE Custome

customer ID INT PRIMBRY KEY,

Name VAR(HAR (50)

Age INT

phone VAR (HRQ (15)

Email. VAR(HAR (50)

```
CREATE OR REPLACE TRIGGER Prevent,
               unclerage customers
 BEFORE INSERT ON COSTOMER
 FOR EACH ROW
  BEGIN
     IF : NEW AG ( ( 18 THEN)
       RAISE - APPLICATION. ERROR (-2000) Lustomer
        age must he 18 orabove')
     ENDIF;
2- Create 9 tog table for Lustomer Actions
    (REATE TABLE (WHOMEY log (
      LOGIP NUMBER PRIMARY KEX,
       contomerto INT,
        Action type 1/ARCHARIZO)
         Action Dute TIMESTAMP DEFAULT
        SYSTIME STAMP
  2- Creating veiws-
      view for customer contact information
       CREATE OR REPLACE VIEW Views (ustome)
        SELECT Conformer IP, Name, phone, Email
       contacts As
```

```
FROM untomer:
(REATE OR REPLACE VIEW CONTOMER Age
 category As
SELECT
     (whomer ID,
     Name,
     CASE
      WHEN Age BETWEEN 18 and 25 THEN YOUNG
      WHEN Age BETHEEN 26 and 45 THEN 'adult'
      HHEN Age BETHEEN 46 and 65 THEN middle
       ELBE Jenior
      END AS Age category
   FROM Lustomer;
 3. Exception Handling
  sorted procedure with Exception Handling
for Imerting customer Records.
  (REATE OR REPLACE PROCEDURE Insertundo
       P-customer ID IN INIT,
      P-Name IN VARIHAR
      P-Age IN INT.
      P-Phone IN VARLHAR.
      P-EMAIL IN VARIAR
```

IS

REGIM

```
INSERT INTO Customer ID, Name
                    Age, phone, Email)
   VALUES (P-IUNtomerID, P-name, P-Age, P-Phone,
             P-Email);
      DBMIS_ DUTPUT, PUT_LIME ('Lustomer Record
           Inserted successfully');
   EXCEPTION
       WHEN OTHERS THEN
          DBMS-OUTPUT. PUT_LINE ('ERROR:")
     ENID;
                                   JALERRM)-
Function to Fetch lustomer Details with
  Error Hendling
CREATE OR REPLACE FUNICTION MET
  austomer Defails (P_customer ID IN NumB)
 RETURN VARCHAR
  15
     (Wtomer-injo VAR(HAR (200))
 BEGIN
      SELECT 'Name" | Name": Age: 11 Agel, plone:
```

u phone 11: Email: '11 Email.

INTO customer - Into

HHERE (customer ID = P_ (customer ID);
RETURN customer - into;

EXLEPTION

WHEN NO-DATA-FOUND THEN

RETURN 'CONFOMER not Found';

WHEN OTHERS THEN

RETURN 'Error:'

EMD ;

PERFORMAN E STATE STATE

Results

Thus, The implementation of trigger,

when and exceptions in sal are

view and exceptions in sal are

when the sale ar