

ASSIGNMENT NO 06

1. IMPLICIT CURSOR EXAMPLE

```
SET SERVEROUTPUT ON;

BEGIN

    UPDATE N_ROLLCALL SET ATTENDANCE='ABSENT' WHERE NAME='HENRY';

    IF SQL%FOUND THEN

        dbms_output.put_line('Updated - If Found');

    END IF;

    IF SQL%NOTFOUND THEN

        dbms_output.put_line('NOT Updated - If NOT Found');

    END IF;

    IF SQL%ROWCOUNT>0 THEN

        dbms_output.put_line(SQL%ROWCOUNT || ' Rows Updated');

    ELSE

        dbms_output.put_line('NO Rows Updated Found');

    END IF;

END;
```

2. EXPLICIT CURSOR - EXAMPLE

```
SET SERVEROUTPUT ON;

DECLARE

CURSOR EXPLICIT_CUR IS select ROLLNO,NAME,ATT_DATE from N_ROLLCALL where
ATTENDANCE='ABSENT';

    tmp EXPLICIT_CUR %rowtype;

BEGIN

    OPEN EXPLICIT_CUR;

    Loop exit when EXPLICIT_CUR%NOTFOUND;

        FETCH EXPLICIT_CUR into tmp;

        dbms_output.put_line('ROLL NO : ' || tmp.ROLLNO || ' NAME : ' || tmp.NAME || ' DATE
        : ' || tmp.ATT_DATE);

    END Loop;

    IF EXPLICIT_CUR%ROWCOUNT>0 THEN
```

```

        dbms_output.put_line(SQL%ROWCOUNT || ' ROWS FOUND');
ELSE
        dbms_output.put_line('NO ROWS FOUND');
END IF;
CLOSE EXPLICIT_CUR;
END;

```

3. FOR LOOP CURSOR

```

SET SERVEROUTPUT ON;

DECLARE

cursor FOR_CUR is select ROLLNO,NAME,ATT_DATE from N_ROLLCALL where
ATTENDANCE='ABSENT';

tmp FOR_CUR %rowtype;

BEGIN

FOR tmp IN FOR_CUR
LOOP

dbms_output.put_line('ROLL NO : ' || tmp.ROLLNO || ' ' || 'NAME : ' || tmp.NAME || ' ' ||
'DATE : ' || tmp.ATT_DATE);

END Loop;

END;

```

4. PROBLEM STATEMENT:- MERGE THE DATA AVAILABLE IN THE NEWLY CREATED TABLE N_ROLLCALL WITH THE DATA AVAILABLE IN THE TABLE O_ROLLCALL

```

BEGIN

MERGE INTO N_ROLLCALL T1 USING (SELECT ROLLNO, NAME, ATT_DATE,
ATTENDANCE FROM O_ROLLCALL)T2 ON (T1.ROLLNO = T2.ROLLNO) WHEN NOT
MATCHED THEN INSERT VALUES
(T2.ROLLNO,T2.NAME,T2.ATT_DATE,T2.ATTENDANCE);

IF SQL%FOUND THEN

        dbms_output.put_line('MERGED');

END IF;

IF SQL%NOTFOUND THEN

        dbms_output.put_line('NOT MERGED');

END IF;

```

```

IF SQL%ROWCOUNT>0 THEN
    dbms_output.put_line(SQL%ROWCOUNT || ' Rows Updated');
ELSE
    dbms_output.put_line('NO Rows Updated Found');
END IF;
END;

```

5. PARAMETEREZIED CURSOR

```

DECLARE
    CURSOR PARAM_CURSOR (ROLL NUMBER) IS SELECT * FROM N_ROLLCALL
    WHERE ROLLNO = ROLL;
    TMP PARAM_CURSOR %ROWTYPE;
BEGIN
    FOR TMP IN PARAM_CURSOR (101) LOOP
        dbms_output.put_line('NAME  ' || TMP.NAME);
        dbms_output.put_line('DATE ' || TMP.ATT_DATE);
        dbms_output.put_line('ATTENDANCE: ' || TMP.ATTENDANCE);
    END Loop;
END;

```