Class: B.Sc. IT semester-I Div-
Subject: DBMS
Practical Assignment Aim:4 (SQL DDL & DML STATEMENT)
Date of Practical Assignment:

CREATE FOLLOWING TABLES:

1. Table Name: IT_dml

CREATE TABLE IT_dml(
RECORD_NO NUMBER(3),
NUM1 NUMBER(5,2) NOT NULL,
NUM2 NUMBER(5,2) NOT NULL,
TOTAL_NUM1_NUM2 NUMBER(5,2),
PERCENT_TOTAL NUMBER DEFAULT 50.00
);

1. Insert a new field Multiply_num1_num2 Number 10,2
ALTER TABLE IT_dml ADD MULTIPLY_NUM1_NUM2 NUMBER (10,2);

2. Insert constraints as Record_no Primary key.
ALTER TABLE IT_dml ADD CONSTRAINT PK_RECORD_NO PRIMARY KEY(RECORD_NO);

3. Insert 10 records in table
INSERT INTO IT_dml VALUES (001,2,3,0,0,0);
INSERT INTO IT_dml VALUES (002,20,10,0,0,0);
INSERT INTO IT_dml VALUES (003,99,50,0,0,0);
INSERT INTO IT_dml VALUES (004,50,95,0,0,0);
INSERT INTO IT_dml VALUES (005,0,0,0,0,0);
INSERT INTO IT_dml VALUES (006,82,73,0,0,0);
INSERT INTO IT_dml VALUES (007,69,70,0,0,0);
INSERT INTO IT_dml VALUES (008,90,66,0,0,0);
INSERT INTO IT_dml VALUES (009,26,35,0,0,0);
INSERT INTO IT_dml VALUES (010,89,89,0,0,0);

SELECT * FROM IT_dml;

RECORD_NO	NUM_1	NUM_2	TOTAL_NUM_1_NUM_2	PERCENT_TOTAL	MULTIPLY_NUM1_NUM2
3	99	50	0	0	0
1	2	3	0	0	0
2	20	10	0	0	0
4	50	95	0	0	0
5	0	0	0	0	0
6	82	73	0	0	0
7	69	70	0	0	0
8	90	66	0	0	0
9	26	35	0	0	0
10	89	89	0	0	0

4. Do calculation of total_num1_num2 using formulaNum1+Num2
UPDATE IT_dml SET TOTAL_NUM_1_NUM_2= NUM_1+NUM_2;

5. Calculate percentage_total using formula (total_num1_num2*100)/2.
UPDATE IT_dml SET PERCENT_TOTAL= ((TOTAL_NUM_1_NUM_2*100)/2);

6. Change the value of number1 is 150 whose record number is either 5 or 10.
UPDATE IT_dml SET NUM_1=150 WHERE RECORD_NO=5 OR RECORD_NO=10;

7. Change the value of total whose record number is either 5 or 10.
UPDATE IT_DML SET TOTAL_NUM_1_NUM_2= NUM_1+NUM_2 WHERE RECORD_NO=5 OR RECORD_NO=10;

8. Change the value of percentage whose record number is either 5 or 10.
UPDATE IT_dml SET PERCENT_TOTAL = NUM_1+NUM_2 WHERE RECORD_NO= 5 OR RECORD_NO =10;

9. Do calculation of multiply with formula Num1*Num2 for all records
UPDATE IT_dml SET MULTIPLY_NUM1_NUM2= NUM_1*NUM_2;

10. Remove the record whose record number is 5.
DELETE FROM IT_dml WHERE RECORD_NO = '5';

11. Remove the record whose record number is between 2 to 4
DELETE FROM IT_dml WHERE RECORD_NO BETWEEN 2 AND 4;

12. Remove all the records of table.
DELETE FROM IT_dml;