lásk 311

USING CLAUSES OPERATIONS AND FUNCTIONS IN QUERIES

Aim: To implemented of DML Commands

in queries:

CLAUSES

-> WHERE, order by, Group by, Having Distinct

Operators

-) tqual(=)
-) Between(.

1 And

-) OR

-1 TO

Create table department (

Dept ID INT PRIMARY KEY,

Dept Nome VARCHAR (50) UNIQUE NOT NULL );

CREATE TABLE STUDENT

STUDENTID INT PRIMARY KEY.

NAME . VARCHAR (SO) NOT NULL,

AGE INT CHECK (AGE = = 18).

DEPTIP INT FOREIGN KEI REFERENCES.

DEPARTMENT (DEPTID)

(ITY VARCHOR (50) DEFAULT 'UNKNOWN,

IO AN DATE DATE TIME "DEFAULT GET DATE()"

INSERT, ID DEPARTMENT VALUES ( 11 'cse': HYDERABAD'), (2, 'ECE ' : MUMBAI'); (31 MECH', DELHEY); THISERT INT ( ) STUDENT , VALUES (101, UPPER ( 'rahul') 20,11, "HYDERABAD); INSERT INTO STUDENT I VALUES (108 , 'ANJALI, 1, 90, 2, MUMBAI); ENSERT INT STUDENT VALUES (103, IKIRAN', 19,1,1PUNE') INSTRT INTO 3 SELECT \* from STUDENT. Student Name Act JOIN DATE CITY DEPT ID 1 101 Rohal 20 1 A Hixderabad 2025-08-26 108 Arial; 28 2 Mumboj 2 2025-08-26 kinan 1 103 Pune 3 19 2025-08-26 Select \* FROM DEPARTMENT DEPTIP DEPT NAME LOCATION 1 1 CSE HYD 2 2 ECE MUMBAT 3 MECH DELHI 3 select Name, AGE 6 FRUM STUDENT. Where age Between 19 AND 22 Name AGE Rohu) 20 2 Arial' 22 19 3 khan

SELECT Home, DEPT ID FROM STUDENT 1 where DEPT ID IN(113) ORDER DEDT TO DESC. NAME DEPT ID. MOHITH 1. 2 SALAK 3 RAHUL 4 KIRAN 1 UPDATE STUDENT SET AGE = AGE+1 Where DEPT ID=1 AND AGE X21," STUID NAME AGE DEPTIO JOIN DATE CITY 101 Rahul 2025-08-26 21 ) HYD 102 Aniali 22 2 2 MUMBAT 2025-8-26 103 3 Kiran 30 PUNC 2025-8-26 select Distinct city from student 1; CITY DELHI VEL TECH - CSE EX NO. HYDERABAR PERFORMANCE (5) RESULT AND ANALYSIS (5) MUMBAT VIVA VOCE (5) 4 RECORD (5) PUNC OTAL (20) GN WITH DATE 25/08/25

Result: The implementation of the chaules, loparators & functions in the queie (DOL and DML Commands)

## Task (3:2) AGGREGATE FUNCTIONS

Aimir To study & implement aggregate functions (count(), Sum(), Aug(), Hin(), Max()) on a Sample database AGGREGATE FUNCTIONS There mostly used with Groupedby to group the rows -) COUNT () -) SUM () -) AVG () -) MIN () -> MAX ( ) CREATE TABLE STUDENT 21 ROLLNO INT PRIMARY KAY NAME VARCHAR (50), AGE INI, DEPT ID INT, MARKS INT). INSERT INT STUDENT & VALUES (11) Arjun', DOP, 101, 85) (2 'Sreha', 01,101,90) (3 / Ravi , 19 , 100, 95) (4 / 1 priya', 22 / 102 ,95), (5/ 1 Kiran 1,30,101,60),

(6, 1 Anita', 93, 103, 80)

## SELECT + FROM STUDENT Q

	ROLLNO	NAME	AGIE	DEPTIP	MARKY
1	1	Ayjon	20	101	85
2	8	Sheh or	21	10 '	90
3	3	Ravi	19	102	76
4	4	Priy a	22	100	95
5	5	Firan	20	101	60
6	6	Anika	23	103	83.

## SELECT DEPTID I AVG (MARKS) AS - MARKS FROM STUDENT 2

GROUPED BY DEPT ID;

ſ			
	DEPTID	AVG-MARKS	
1	101	78	
2/	102	82	
B	103	88	

## SELECT DEPTIO, MAX (MARKS) AS TOP-MARIT FROM STUDENT Q GROUP BY DEPTIO:

	DEPT ID	TOP-MARIT
t	101	90
8	102	95
3	103	58

SCIECT DEPTID, MIN (MARKS) AS LEAST-HART.
FROM STUDENT D.
CAROUP BY DEPTID.

, 10	0.0
	60
2 10	2 70
3 10	3 88

SELECT DEPTIO, COUNT (+) AS STU, COUNT FROM STUDENT ?

GROUP BY DEPT ID;

	DEPT ID	STU - (60 N)	
r	161	3	
2	100	a	
3	103	1	
		VEL TECH - EX NO. PERFORMANCE (5) RESULT AND ANALYSIS VIVA VOCE (5) PECORD (5) OTAL (20) SIGN WITH DATE	3,2

Result: Implementation of all aggregate functions has been performed successfully on a table.