18/8/25

Task-3.1 :- using clauses; operators and functions in queries

Aim :- To implement at DML command using clauses, operators and functions in queries.

clauses :- where order by Group by having the distinct

operations :-

- equal
- between
- AND
- OR
- IN

Create table department ic

dept ID INT primary key,

deptname ; varchar (50) unique,

location varchar(50) not null.

Insert into value department values

("1,'cse'; hydrabad")

('2", ECE"; Mumbai")

(3, IT ; mech, delhi).

insert into student values,

(101, uppu, ('rahul'); 20.1, hydrabad)

Insert table into student values";

(10r; Anjali; 22, 2, mumbai);

Insert into student values;

(103, kiran, 19, 1, 'pune');

insert into student values;

(10t, 'mohith'; student 2, 3, delhi);

insert into student values;

(105, sara, 21, 1, hydrabad)

-select *from students;

stuid	Name	Age	depid	city	joindate
101	Rahul	20	1	hyd	25|8|26
102	Anjali	22	2	mumbai	25|8|26
103	kiran	19	1	pune	25|8|26
104	mohith	23	3	delhi	25|8|26
105	sarathoth	21	1	hydera-bad	25|8|26

student-* select * from department

dep id	department	location
1	cse	Hyd
2	ece	mumbai
3	mechanical	delhi

```
select Name Age;
from student;
where age b/w 19 & 22.
```

Name	Age
Rahul	20
Anjali	22
Kiran	19
srikanth	21

```
select Name, dept id;
    from student;
where dept id in (1,3)
order by dept id desc;
```

Name	dept id
rahul	3
anjali	1
Kiran	1
srikanth	1

```
update student
set Age = Age+1
    where dept id = 1 and Age < 21;
```

S.NO	stuid	name	age	deptid	city	date
1	101	rahul	21	1	hyd	25/8/26
2	102	anjali	22	2	mumbai	25/8/26
3	103	kiran	23	1	pune	25/8/26
4	104	mohith	20	3	delhi	25/8/26
5	105	srikanth	21	1	hyd	25/8/26

select distinct city
from student;

S.NO	city
1	delhi
2	hyd
3	mumbai
4	pune

student 1,
by dept id;

S.NO	dept id	Total students
1	1	2
2	2	1
3	3	1

select dep id, count (*) as total students
from students 1
Group by dept id
Having count (*) >= 2.

S.NO	dept id	Total students
1	1	3

Result :- The implemantion of the clauses operat & functions in the query DDL & DML commands.

VEL TECH - CSE	
EX NO.	3
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	2
RECORD (5)	—
TOTAL (20)	12
SIGN WITH DATE	

2/5/18

Task:- 3.2 - AGGREMENT FUNCTIONS :-

Aim :- To study & ~~impl~~ implement agreement functions count(); sum(); Avg(); min(); max(), on a sample data base.

Agreement functions :-

- count()
- sum()
- Avg()
- min()
- max()

```
create table student2(
    roll no int primary key,
    name varchar(50),
    Age int;
    dept id int;
    marks int;
```

insert into student 2 values;

(1, 'Arjun', 20, 101, 85));

(2, 'sneha', 21, 101, 90));

(3, 'ravi', 19, 102, 95));

(4, 'divya', 22, 102, 95);

(5, "kiran", 20, 101, 60);

(6, "Anita", 23, 103, 88);

select * from student 2;

roll no	name	age	dept id	marks
1	Arjun	20	101	85
2	sneha	21	102	90
3	priya	19	102	70
4	ravi	22	101	95
5	kiran	20	102	60
6	Anitha	23	103	88

select dept id, Avg (marks) Avg - marks

from student 2.

Grouped by dept id;

dept id	Top rank
101	90
102	95
103	81

select deptid, min(marks) At least, mark from student 2,

Group by dept id;

dept id	least mark
101	60
102	70
103	88

select dept id, Avg (marks) As Avg - marks

from student 2,

Grouped by dept id;

dept id	Avgmarks
101	91
102	82
103	88

select dept id; count(*) As stu-count

from student);

Group by dep id;

dept id	stu-count
101	3
102	2
103	1

Result :- Implementation of all agreement functions last been performed sucessfully on a table.

2/5/18

VEL TECH - CSE	
EX NO.	3.2
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	2
RECORD (5)	-
TOTAL (20)	12
SIGN WITH DATE	2/5/18