Task 3:- 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.

operator's:-

- Equal
- Between
- AND
- OR
- IN

Create table department, (

dept ID INT Primary key

dept name ; varchar (50) unique

location varchar (50) Not null

Insert int value department values

(1, 'cse'; Hyderabad)

(2," ece", mumbai ").

(3, IT; mech; Delhi).

insert in to student values,

(101, upper, 'Rahul'); 20.1, hyderabad)

insert table into student values;

(102, Anjali; 22.2.mumbai);

insert into student values;

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

Insert into student values;

(104, mohith; student 23, Delhi)

insert into student values;

(105, Sara, 21,1, hyderbad)

Select * from student;

stuid	Name	Age	depid	city	Joindate
101	Rahul	20	1	hydrabad	25-8 26
102	Anjali	22	2	mumbai	25-8-26
103	kiral	19	1	Pune	25 -8-26
104	mohith	23	3	delhi	25-8-26
05	Sarakhali	21	1	hyderbad	25-8-26

Sutudent Select * from department.

depti id	department	location.
1	CSE	Hyd
2	ECE	mumbai
		DLH

Select Name, Age:-
from student;
where age blw 19 & 22.

Name	Age
Rahul	20
Anjali	21
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 1
Set Age = Age + 1
Where dept id = 1 and Age < 21

S.No Stu.id name age deptid & city

S.No	stud id	name	age	deptid	city	DOJ
1	101	rahul	21	1	hyd	25-8-26
2	102	anjali	22	2	mumbai	"
3	103	kiran	20	1	Pune	"
4	104	rohith	23	3	Delhi	"
5	105	srikanth	21	1	hyd	"

Select distint city
from student

S.No	city
1	delhi
2	hyd
3	mumbai
4	Pune

student1,
by dept id;

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

Select iden id, Count(*) as total-students
from students,
Group by dept id
Having Count(*) = 2

S. No	dep id	Total stud's
1	1	3

Results:- The implementation of the clauses operator's & functions in the query DDL & DML Commands

18/8

VEL TECH - CSE	
EX NO.	3.1
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	4
RECORD (5)	-
TOTAL (20)	14
SIGN WITH DATE	18/8

TASK (3.2) AGGREGATE FUNCTIONS

Aim:- To study & implement agrement functions (count(), Sum(); Avg(); min(); max, on a sample dat base

Aggregate functions:-

They are used in grouped by the rows

- Count()
- Sum()
- Avg()
- min()
- max()

Create table student (

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, "Shena" 21, 101, 90);

(3, "Ravi", 19, 102, 95);

(4, 'Priya' 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	ravi	21	101	90
3	Sneha	19	102	40
4	Priya	22	102	95
5	kiran	20	101	60
6	Anita	23	103	88

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

From student 2:

Grouped by dept id;

dep id	Top rank
101	90
102	95
103	88

Select dept id, min(marks) As least, mark from
Student 2;
Group by dept id;

dept. id	least mark
101	60
102	70
103	98

Select dept b, Avg(marks) As Avg-marks
From Student 2;
Grouped by dept id;

dept id	Avg marks
101	98
102	88
108	88

Select dept id ; Count(*) As stu-count
From Student 1;
Group by deptid;

dept id	stu Count
101	3
102	2
103	1

Result:- Implementation of all aggregate functions has been Performed Successfully on a table.

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	1.8.18