8/8

Task-3

Using clauses, operations & function in Query

Aim:

To understand the different input involved in the design and implementation of a database system.

Theory:

DML: The Data manipulation language is used for retreive, insert and modify Data base information. Lets take a brief look at the basic DML commonds

1. Insert Into: This is used to add records into a relation. These are three type of insert into Queries which are:

Inserting a single word:

Syntax: INSERT Into < relation/Table name >
(field-1, field ....., field-n) values
(data-1, ..., data-n);

2. Update - where: This is used to where the content of a record in a relation

Syntax: SQL > update relation name SET
field-name 1 = data, field-name 2 = data a,
where field-name = data;

3. Delete - from: This is used to delete the the records of a relation but it will retain the structure with the relation

Output

Available Tables

shipping_id	status	customer
1	Pending	2
2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

STUDENTS

ROLLNO	Name	AGE
101	Rahul	

a) Delete - from : This used to delete all the rec of relation

Syntax SQL > Delete From relation_name;

b) Delete - from - where : This is used to deleted a selected record from a relation

Syntax : SQL > Delete from relation_name where, condition;

Task - 3.2

Aggregate function

Aim: To study and implement aggregate functions on a sample student data base.

Procedure

1. Create a table named students.
2. Insert sample record
3. Write Queries using aggregate function
4. Observe and record the output

Commands with explanation

1) count the total no of students.

Select Count (*) as total_students from students

2) Find the highest marks obtained by student

Select Max (marks) as Highest_Mark from students;

output

Total Employees
Employees with salary

5 4

output

highest salary

90000

output

lowest salary

65000

output

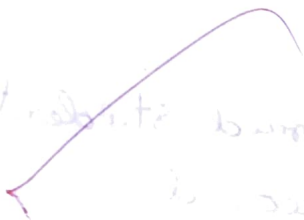
avg salary

77500

output

Totol pay

310000



3 Find the avg marks of student

```
Select AVG (Marks) as Avg-Mark from
students;
```

4 Find the minimum marks among student in the ECE Dept.

```
Select Min (Marks) as Min_ECE_Marks from
students
where Dept = "ECE";
```

5 Find the total marks obtained by students in each dept.

```
Select Dept, SUM (Marks) as Avg_Marks
From students Group by Dept.
```

Result: Thus the SQL commands Excuted successfully based on student database Manage ment system

VEL TECH - CSE	
EX NO.	3
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	20
SIGN WITH DATE	22/8/22