**08/11/2021**

**Select: -**

Select \*/column\_names from table\_name where <condition>

**=**

**<**

**>**

**<=**

**>=**

**<>**

**And**

**Or**

**Not**

**Is null**

**In**

**Is not null**

**Like: -** like operator is used to compare data with a part of data or pattern. when you have concept of part of data or you have a pattern behalf of that you want to select data from table then like operator is used with condition.

**%**

**-**

**Syntax: -**

Select \*/column\_names from table\_name where column\_name like ‘pattern’

To create pattern : you can use % or \_

% - ignores characters

\_ - ignores only a single character

Ex:

Where college like ‘feroze%’:select all rows where college name starts with feroze.

Where college like ‘%gandhi%’: select all rows where Gandhi presents somewhere

Where dob like ‘2021-\_\_\_\_\_ ‘

**Order By: -**

In table, data is saved in random manner, is you want to arrange data behalf of a column then order by is used.

Numeric-ascendingr(smaller-onward)/descending(greater-lower)

String – ascending (a-z)/descending(z-a)

**Syntax:**

Select\*/column\_name from table\_name where <condition> order by column\_name <desc>

Ex: -

Select \* from tbl where batch=’all’ order by id desc

**Aggregate Function: -**

Aggregate function are some function that operates on multiple values and provides a single output.

Sum (), count (), avg (), min (), max ()

It can be only used with select command. It is only used after select keyword to select a value as a column.

It can be applied only on numeric values / columns.

**Sum: -**

select sum(fee) from table\_name where uname like 'techpilest21%'

**Max: -**

select max(fee) from table\_name

**Count: -**

Select count(fee) from stpayment

Select count (\*) from table\_name

Select count (column\_name) from table\_name

**Note: -**

Count function ignores null values. That means the column which contain null value is not counted by count () function.

String Function: -

Len (): select len(name) from table\_name **Or**

Select len(name) as length,lower(name) as studentname from table\_name

Upper (): select upper(name) from table\_name

Lower (): select lower(name) from table\_name

Ltrim(): select ltrim(name) from table\_name

Rtrim(): select rtrim(name) from table\_name

Subtring(): select substring(name,0,6) from table\_name

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Date & Datetime function: -

Getdate(): It is a function which return current date and time.

Current\_TIMESTAMP: it is a property which return current date and time.

Select gatedate(),Current\_TIMESTAMP

Datename()

Dateadd()

Datediff()

Convert ()