**16/11/2021**

**How to create SQL query with SQL: -**

Case is used to select any common/field based on the given condition. So normally case is used to apply condition within the query.

**Ex: -**

Select emp\_name , case when salary between 20000 and 40000 then salary+10000 end from employee

IF-Else: -

Case when <condition> then student

Else <statement>

Select emp\_name, case when salary between 2000 and 40000 then salary else salary+10000 end from employee

Ex: -

Select empname,salary, case when salary between 2000 and 40000 then 'junior' else concat((salary+10000),' ') end from employee

Case when<condition> then statement

When <condition> then statement

When <condition> then statement

-

-

Else statement

End

Ex: -

select empname,salary, case when salary between 1000 and 20000 then 'jr developer' when salary between 20001 and 40000 then 'sr developer' when salary> 40000 then 'project manager' end from employee

………………………………………………………………………………………………

**BEGIN-END:**

Begin-end is keyword of SQL also known as control flow statement. begin-end contains BATCH (collection of script) that is used to define range of if or else or any conditional statement. BEGIN-END can be nested.

**EX: -**

declare @salary int,

@action int

set @salary=20000

set @action=2

if(@action=1)

BEGIN

update employee set empname='suraj yadav' where salary=@salary

select \*from employee

end

else

BEGIN

if(@action=2)

select \*from project

end

BEGIN-END is used to define blocks of conditional or flow control statement like if, else,while etc.

If(condition)

BEGIN

//BATCH

END

ELSE IF (condition)

BEGIN

//BATCH OR QUERIES

END

**Try-Catch:**

Try catch is used to handle run-time errors that may occurs at the run time of queries due to some wrong entries or anything else.

Run time errors of queries is handled by try- catch in SQL.

Catch comes always after try block.

Catch block executes only if there is any error in try block.

If there is any possibility of error in any line of code then those lines are put into try block with an error free message or any code within catch block.

SYNTAX:

BEGIN TRY

//STATEMENT / QUERIES

END TRY

BEGIN CATCH

// STATEMENT / MESSEGE

END CATCH