**Case,When,Then and End Keywords**

1. Case,When,Then and End Keywords can be used in Select statements

the keyword CASE signals the beginning of a case statement, and the keyword END signals its end.

Then for a single condition you can write the keyword WHEN followed by the condition that has to be satisfied.

After that comes the keyword THEN and the value for that condition, like WHEN <condition> THEN <stuff>.

This can then be followed by other WHEN/THEN statements.

At the end you can add a value to use by default if none of the conditions are true with the ELSE  keyword, as shown below.

1. Practical Demonstration

CREATE TABLE Cars

(

id INT,

name VARCHAR(50) NOT NULL,

company VARCHAR(50) NOT NULL,

power INT NOT NULL,

color VARCHAR(50) NOT NULL,

model INT NOT NULL,

condition\_ VARCHAR(50) NOT NULL

)

select \* from Cars

INSERT INTO Cars VALUES(1, 'Corrolla', 'Toyota', 1800, 'red', 1995, 'X'),(2, 'City', 'Honda', 1500 , 'black', 2015, 'X'),

(3, 'C200', 'Mercedez', 2000 , 'white', 1992, 'X'),(4, 'Vitz', 'Toyota', 1300 , 'blue', 2007, 'X'),

(5, 'Baleno', 'Suzuki', 1500 , 'white', 2012, 'X'),(6, 'C500', 'Mercedez', 5000 , 'grey', 1994, 'X'),

(7, '800', 'BMW', 8000 , 'blue', 2016, 'X'),(8, 'Mustang', 'Ford', 5000 , 'red', 1997, 'X'),

(9, '208', 'Peugeot', 5400, 'black', 1999, 'X'),(10, 'Prius', 'Toyota', 3200 , 'red', 2003, 'X')

###Case,When,Then and End Keywords

select company,power,

case

when power < 1500 then "Engine size is less than 1500cc"

when power = 5000 then "Engine size is equal to 5000cc"

when power >5000 then "Engine size is greater than 5000cc"

end as Engine\_Details, color ## after end too we can display column

from Cars

## using where condition

select \* from Cars

where company =

(case

when power in (1500,5000) then company

when power not in (1500,5000) then 'BMW'

end )

## using the orderby condition

select \* from Cars

order by

(case

when model in (1995,1992,1994,1999) then name

when model not in (1995,1992,1994,1999) then company

end)