**1. Use the inbuilt functions and find the minimum, maximum and average amount from the orders table**

Answer:

select min(amount) as minimum\_amount, max(amount) as maximum\_amount, avg(amount) as average\_amount from orders;

**2. Create a user-defined function which will multiply the given number with10**

Answer:

CREATE FUNCTION dbo.multiply\_by\_10 (@amount int)

RETURNS int

AS

BEGIN

RETURN (@amount \*10)

END;

Select dbo.multiply\_by\_10( amount ) from orders;

**3. Use the case statement to check if 100 is less than 200, greater than 200 or equal to 200 and print the corresponding value.**

Answer:

select case when 100 < 200 then 'less than 200'

when 100 = 200 then 'equal to 200'

when 100 > 200 then 'greater than 200'

-- when 100 >= 200 then 'greater than 200'

end as comment\_100;

select amount, case when amount < 100 then 'Less than 100'

when amount < 200 then 'Less than 200 and greater than 100'

when amount = 200 then 'Equal to 200'

when amount > 200 then 'Greater than 200'

else 'invalid amount'

end as comments

from orders;

**4. Using a case statement, find the status of the amount. Set the status of the amount as high amount, low amount or medium amount based upon the condition.**

Answer:

select amount, case when amount <= 100 then 'Low Amount'

when amount < 200 then 'medium Amount'

when amount >= 200 then 'High Amount'

else 'invalid amount'

end as comments

from orders;

**5. Create a user-defined function, to fetch the amount greater than then given input.**

Answer:

CREATE FUNCTION dbo.greater\_than\_amount(@amount int)

RETURNS TABLE

AS RETURN

(SELECT amount

FROM orders

WHERE amount >= @amount );

-- drop function dbo.greater\_than\_amount;

Select \* from dbo.greater\_than\_amount(100) ;