

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

```
SELECT MAX(amount) max_amount , MIN(amount) MIN_amount,AVG(amount) average_amount
from Orders
```

2. Create a user-defined function which will multiply the given number with 10

```
CREATE FUNCTION multiplyByTen
( @n INT)
RETURNS int
as
BEGIN
return @n*10;
END
```

```
SELECT dbo.multiplyByTen(8)
```

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.

```
SELECT
case
when 100<200 then 'Less than 200'
when 100>200 then 'greater than 200'
when 100=200 then 'equal to 200'
End as result
```

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.

```
SELECT
orderid,orderDate,amount , customerid,
case
WHEN amount<500 then 'less'
WHEN amount between 500 and 1000 then 'medium'
WHEN amount>1000 THEN 'high'
ELSE 'Unknown'
END as amountStatus
from Orders
```

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

```
create FUNCTION INPUT
(@input_amount int)
RETURNS table
AS
return
(
select *from Orders WHERE amount>@input_amount
)
```

```
SELECT* from dbo.INPUT(750)
```