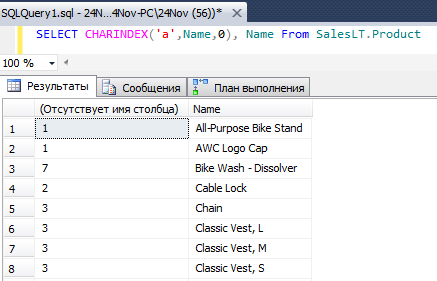
# Substring

SELECT SUBSTRING(Name,1,3) From SalesLT.Product

# CharIndex



# **Ltrim**

**10. Get FIRST\_NAME from employee table after removing white spaces from left side**

select LTRIM(FIRST\_NAME) from employee

# Length

SELECT len(Name),Name From SalesLT.Product

# Replace

select REPLACE(FIRST\_NAME,'o','$') from employee

# Two column in one

SELECT Color +'-'+Name From SalesLT.Product

# Order two columns

**Get all employee details from the employee table order by First\_Name Ascending and Salary descending**

Select \* from employee order by FIRST\_NAME asc,SALARY desc

# Datetime to date

SELECT SellStartDate From SalesLT.Product Where CONVERT(date,SellStartDate) >'1999'

# Difference between two dates

select DATEDIFF(day,OrderDate,RequiredDate) ,OrderDate,RequiredDate from Orders

# Replace

Select REPLACE(LastName,'a','i') From Employees

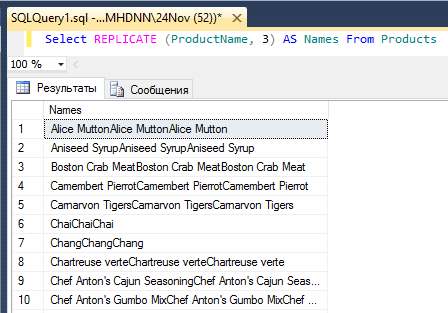
# Having

Select ProductName, UnitPrice,AVG(UnitPrice) From Products

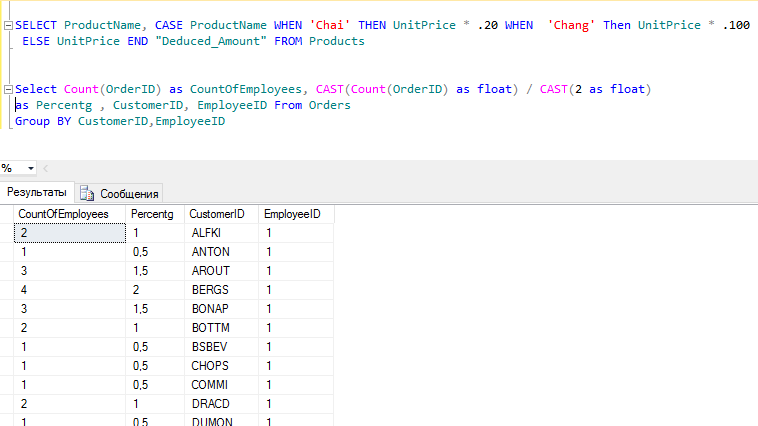
Group By ProductName,UnitPrice

Having AVG(UnitPrice)<20

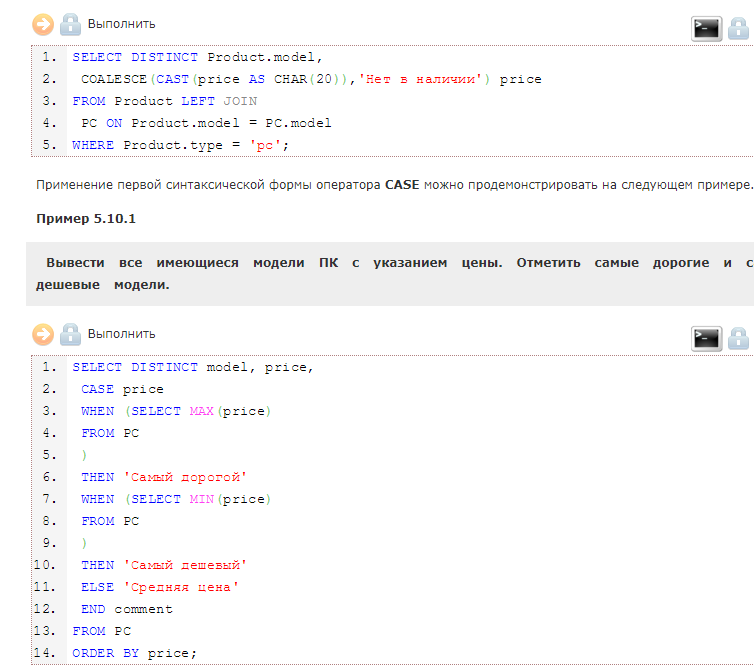
# Replicate



# Percent and Precision



# Case



1. SELECT COUNT(\*) total,
2. (SELECT COUNT(\*) FROM Trip
3. WHERE town\_from='Rostov' AND town\_to <> 'Moscow') non\_moscow
4. FROM Trip
5. WHERE town\_from='Rostov';

SELECT case DEPARTMENT when 'Banking' then 'Bank Dept' when 'Insurance' then 'Insurance Dept'

when 'Services' then 'Services Dept' end FROM EMPLOYEE

# Delete

delete from EMPLOYEE where EMPLOYEE\_ID in (select EMPLOYEE\_REF\_ID from INCENTIVES)

# Select Only Numbers

SELECT column1 FROM table WHERE ISNUMERIC(column1) = 1

# PATINDEX

select SUBSTRING(ShipAddress, PATINDEX('%[0-9]%', ShipAddress), LEN(ShipAddress)) From Orders

Returns the starting position of the first occurrence of a pattern in a specified expression, or zeros if the pattern is not found, on all valid text and character data types.

PATINDEX ( '%pattern%' , expression )

The following example checks a short character string (interesting data) for the starting location of the characters ter.

Copy

SELECT PATINDEX('%ter%', 'interesting data');

Here is the result set.

3

# OVER

