**Домашняя работа №11**

**Тема 11: Хранилище данных**

**Задания**

1. Создать таблицу с количеством использования функций для дз 3. Используя data\_for\_merge.csv, заполнить ее через **оператор merge.** Итоговая таблица с результатами должна иметь вид

|  |  |
| --- | --- |
| Function\_name | Function\_count |
| CASE | 4 |
| CAST | 2 |
| CONCAT | 7 |

CREATE TABLE TableTarget

(

[Function\_name] NVARCHAR (100),

[Function\_count] INT

)

SELECT \*

FROM TableTarget

MERGE TableTarget AS T USING (

SELECT

IrinaPashkovich

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

IrinaPashkovich IS NOT NULL

) AS S ON T.Function\_name = S.IrinaPashkovich WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.IrinaPashkovich, 1);

MERGE TableTarget AS T USING (

SELECT

Darya

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

Darya IS NOT NULL

) AS S ON T.Function\_name = S.Darya WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.Darya, 1);

MERGE TableTarget AS T USING (

SELECT

Ekaterina

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

Ekaterina IS NOT NULL

) AS S ON T.Function\_name = S.Ekaterina WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.Ekaterina, 1);

MERGE TableTarget AS T USING (

SELECT

IrinaSelyutina

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

IrinaSelyutina IS NOT NULL

) AS S ON T.Function\_name = S.IrinaSelyutina WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.IrinaSelyutina, 1);

MERGE TableTarget AS T USING (

SELECT

Viktor

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

Viktor IS NOT NULL

) AS S ON T.Function\_name = S.Viktor WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.Viktor, 1);

MERGE TableTarget AS T USING (

SELECT

Dmitriy

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

Dmitriy IS NOT NULL

) AS S ON T.Function\_name = S.Dmitriy WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.Dmitriy, 1);

MERGE TableTarget AS T USING (

SELECT

Svetlana

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

Svetlana IS NOT NULL

) AS S ON T.Function\_name = S.Svetlana WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.Svetlana, 1);

MERGE TableTarget AS T USING (

SELECT

VikaVoronchuk

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

VikaVoronchuk IS NOT NULL

) AS S ON T.Function\_name = S.VikaVoronchuk WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.VikaVoronchuk, 1);

MERGE TableTarget AS T USING (

SELECT

VikaOstopchuk

FROM

[dbo].[data\_for\_merge\_sourse]

WHERE

VikaOstopchuk IS NOT NULL

) AS S ON T.Function\_name = S.VikaOstopchuk WHEN MATCHED THEN

UPDATE

SET

T.Function\_count = Function\_count + 1 WHEN NOT MATCHED THEN INSERT (Function\_name, Function\_count)

VALUES

(S.VikaOstopchuk, 1);

