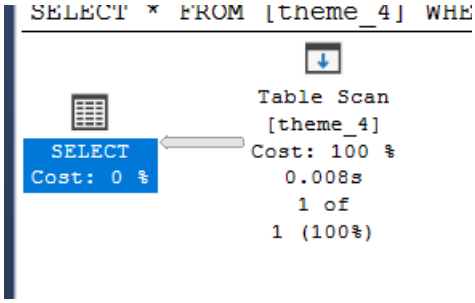
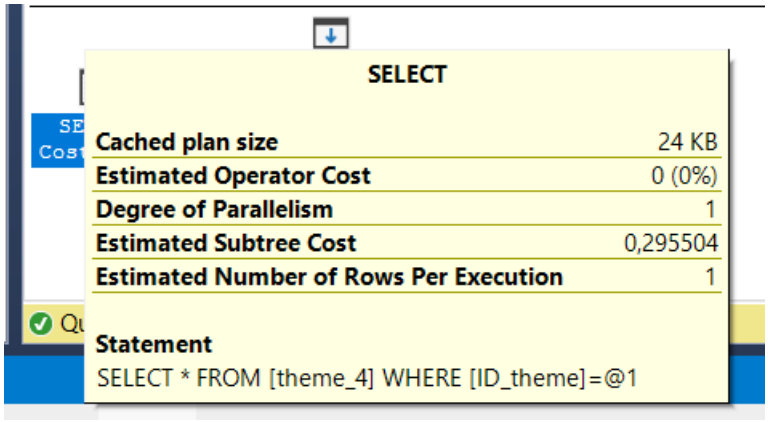
1. Кластерный индекс

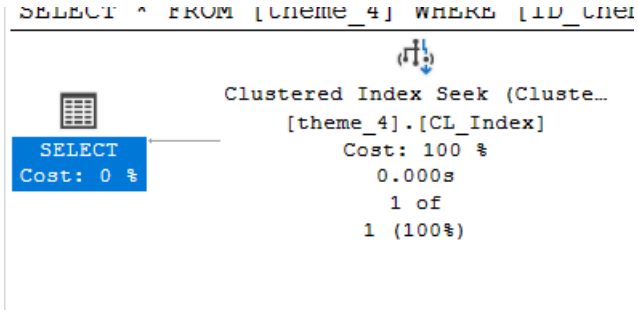
Создаем копию таблицы theme и заполняем ее 100 000 строками

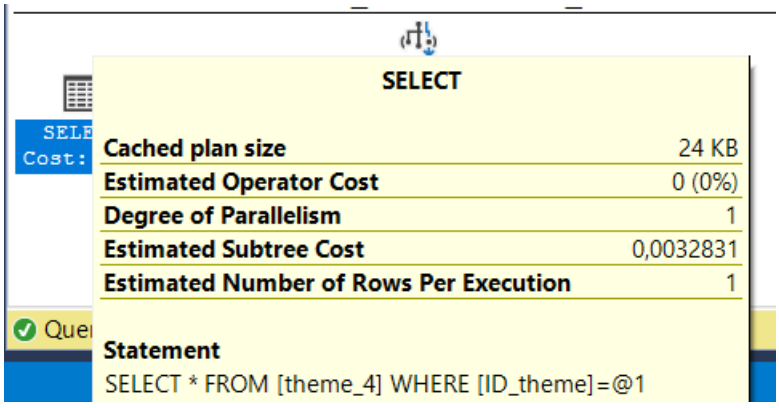
```
select *from theme_4
where ID_theme = 1000
```






```
CREATE CLUSTERED INDEX CL_Index
ON theme_4(ID_theme);
```

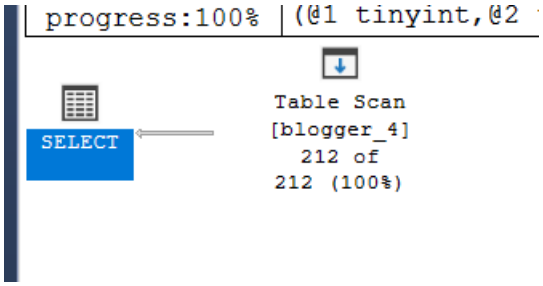


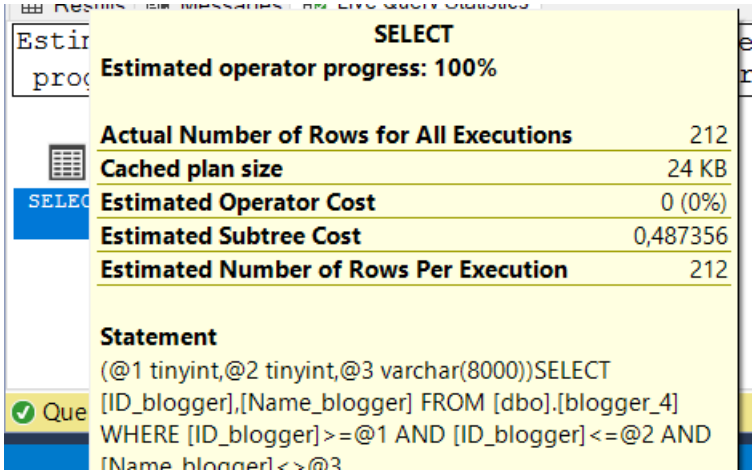


2. Некластерный индекс (Составной индекс)

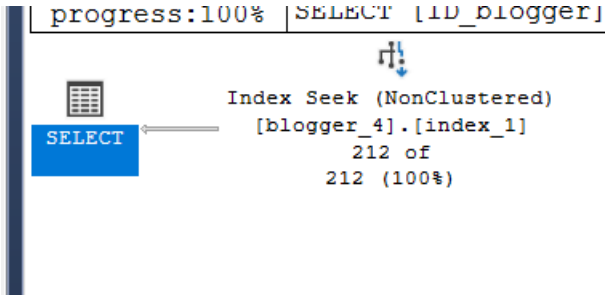
Создадим копию таблицы блогеры и заполним 100000 строк.

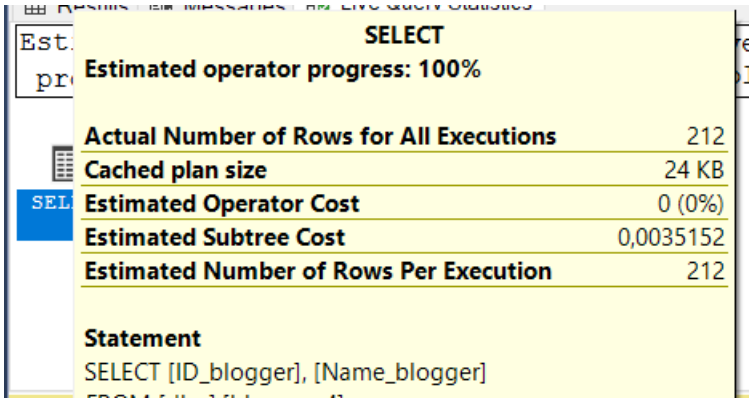
```
SELECT [ID_blogger], [Name_blogger]
       FROM [dbo].[blogger_4]
       WHERE [ID_blogger] BETWEEN 1 AND 212
       AND [Name_blogger] != 'a';
```





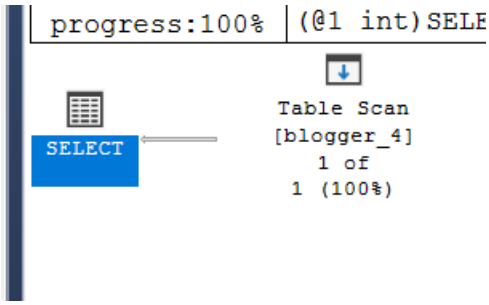

```
CREATE INDEX index_1
on  [dbo].[blogger_4]([ID_blogger], [Name_blogger]);
```

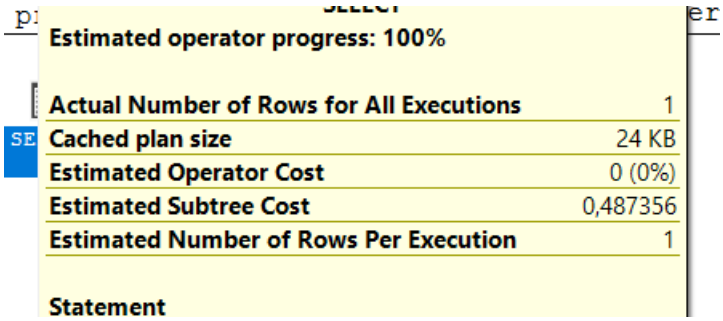




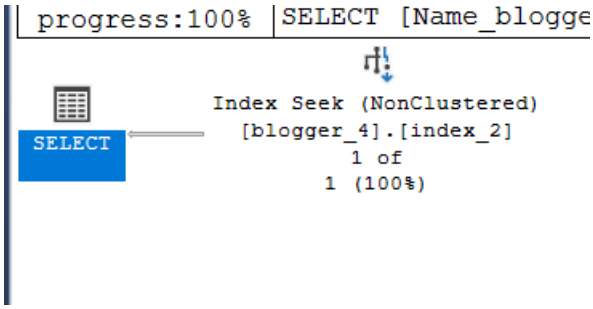
3. Некластерный индекс (Покрывающий)

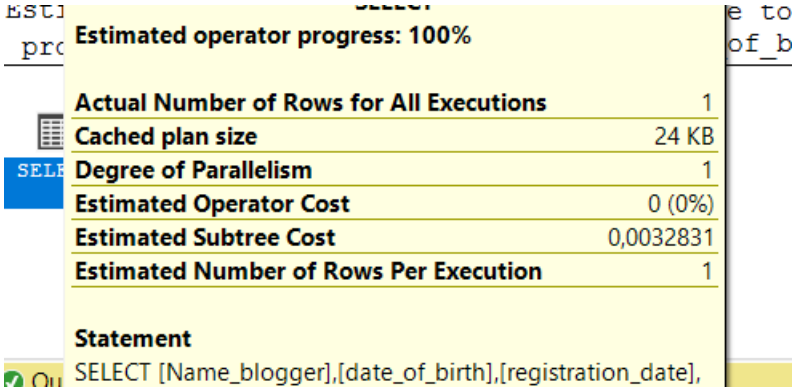
```
SELECT [Name_blogger], [date_of_birth], [registration_date], [language_blogger]
FROM [dbo].[blogger_4]
WHERE [ID_blogger] = 92000;
```





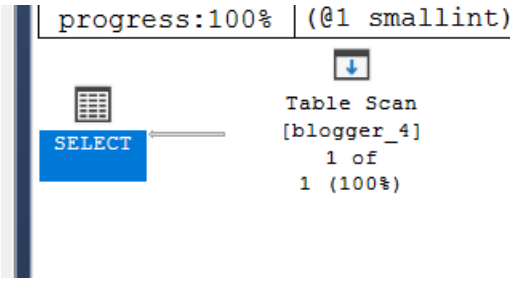

```
CREATE INDEX index_2
ON [dbo].[blogger_4]([ID_blogger])
INCLUDE ([Name_blogger], [date_of_birth], [registration_date], [language_blogger])
```

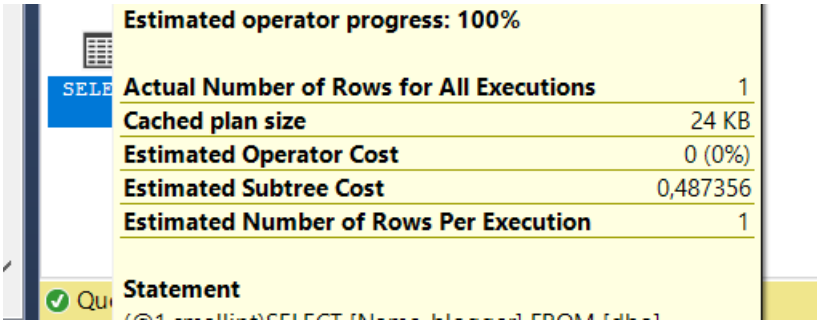




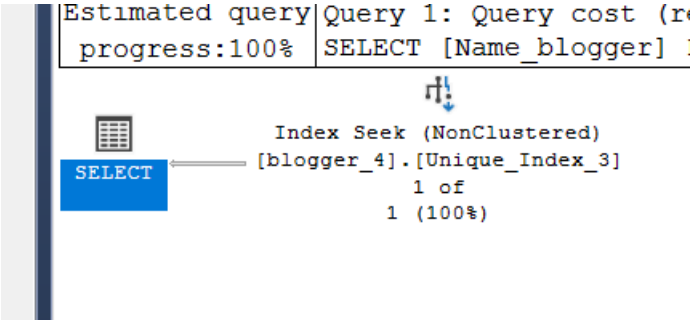
4. Некластерный индекс (Уникальный)

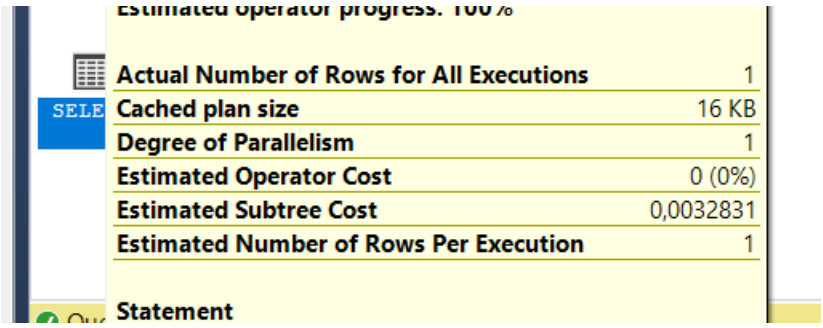
```
SELECT [Name_blogger]
FROM  [dbo].[blogger_4]
WHERE [ID_blogger] = 2000;
```





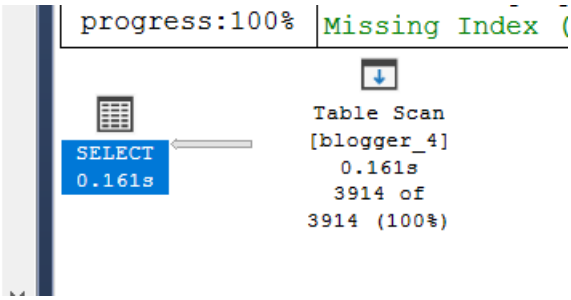

```
CREATE UNIQUE INDEX Unique_Index_3
ON [dbo].[blogger_4]([ID_blogger])
INCLUDE ([Name_blogger])
```

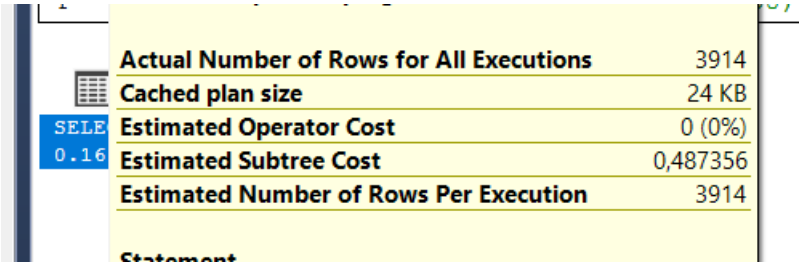




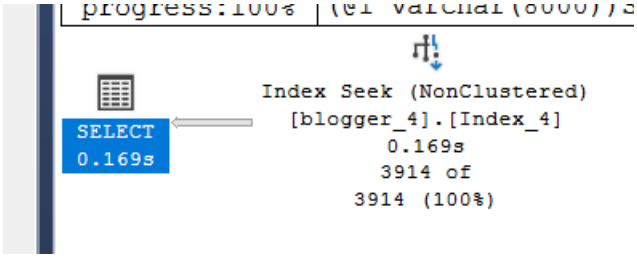
5. Некластерный индекс (С включенными столбцами)

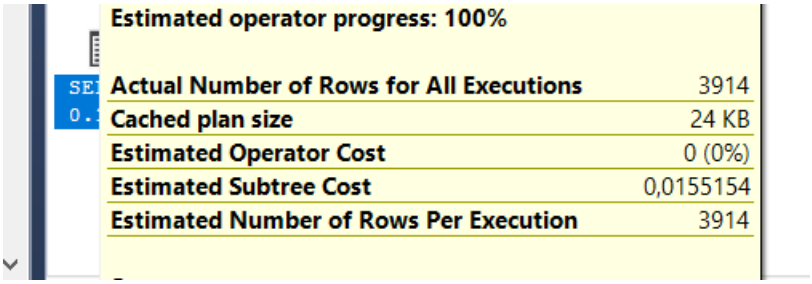
```
SELECT [language_blogger]
FROM [dbo].[blogger_4]
WHERE [Name_blogger] = 'f';
```





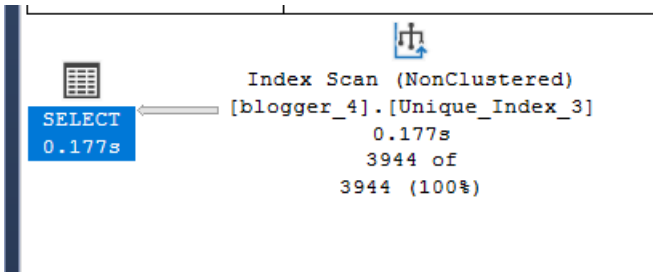

```
CREATE INDEX Index_4
ON [dbo].[blogger_4]([Name_blogger])
INCLUDE ([language_blogger]);
```

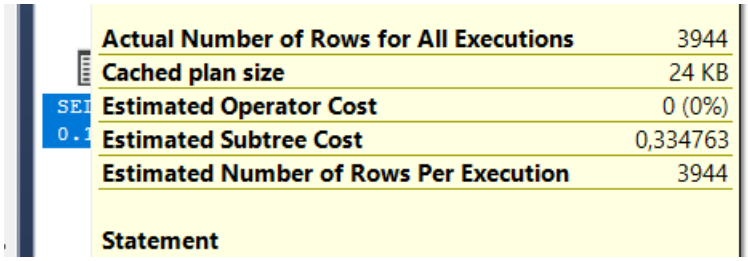




6. Некластерный индекс (Отфильтрованный)

```
SELECT [ID_blogger], [Name_blogger]
FROM [dbo].[blogger_4]
WHERE [Name_blogger] = 'M'
```






```
CREATE INDEX Index_5
ON [dbo].[blogger_4]([Name_blogger])
INCLUDE ([ID_blogger])
WHERE [Name_blogger] = 'M'
```