



Object Explorer

Connect

- DESKTOP-GNFE269\MSSQLSERVER01 (
- └ Databases
  - └ System Databases
  - └ Database Snapshots
  - └ Indexes\_Tutorials
    - └ Database Diagrams
    - └ Tables
      - └ System Tables
      - └ FileTables
      - └ External Tables
      - └ Graph Tables
      - └ dbo.Product
    - └ Views
    - └ External Resources
    - └ Synonyms
    - └ Programmability
    - └ Service Broker
    - └ Storage
    - └ Security
  - └ Security
  - └ Server Objects
  - └ Replication
  - └ PolyBase
  - └ Always On High Availability
  - └ Management
  - └ Integration Services Catalogs
  - SQL Server Agent (Agent XPs disabled)
  - XEvent Profiler

SQLQuery2.sql - DE...FE269\lenovo (55))\* SQLQuery1.sql - DE...FE269\lenovo (53))\*

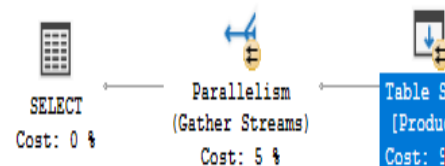
```

/*
select product with id = 666666 when there is no any index
*/
SELECT * FROM [dbo].[Product]
WHERE ID = 666666
    
```

100 %

Messages Execution plan

Query 1: Query cost (relative to the batch) is 5.50435 (95%).  
 SELECT \* FROM [dbo].[Product] WHERE ID = 666666  
 Missing Index (Impact 99.439): CREATE NONCLUSTERED INDEX [IX\_Product\_ID] ON [dbo].[Product] ([ID])



### Table Scan

Scan rows from a table.	
Physical Operation	Table Scan
Logical Operation	Table Scan
Estimated Execution Mode	Row
Storage	RowStore
Estimated Operator Cost	5.50435 (95%)
Estimated I/O Cost	4.95431
Estimated Subtree Cost	5.50435
Estimated CPU Cost	0.550039
Estimated Number of Executions	1
Estimated Number of Rows to be Read	1000000
Estimated Number of Rows for All Executions	1.01348
Estimated Number of Rows Per Execution	1.01348
Estimated Row Size	278 B
Ordered	False
Node ID	1
<b>Predicate</b>	
[Indexes_Tutorials].[dbo].[Product].[ID]=[@1]	
<b>Object</b>	
[Indexes_Tutorials].[dbo].[Product]	
<b>Output List</b>	
[Indexes_Tutorials].[dbo].[Product].ID, [Indexes_Tutorials].[dbo].[Product].Name, [Indexes_Tutorials].[dbo].[Product].Price, [Indexes_Tutorials].[dbo].[Product].AvailableQuantity	

Query executed successfully.