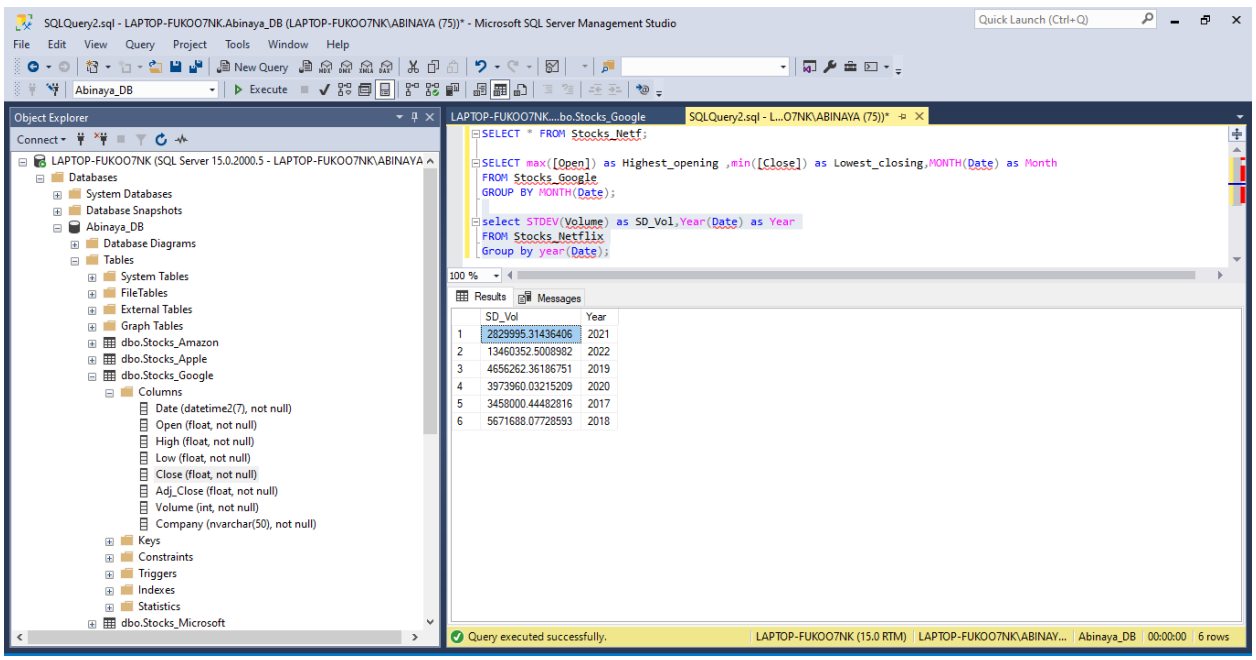
TASK-B

SQL -QUERY

1. Print the highest opening and the lowest closing values of each month for Google.

Query

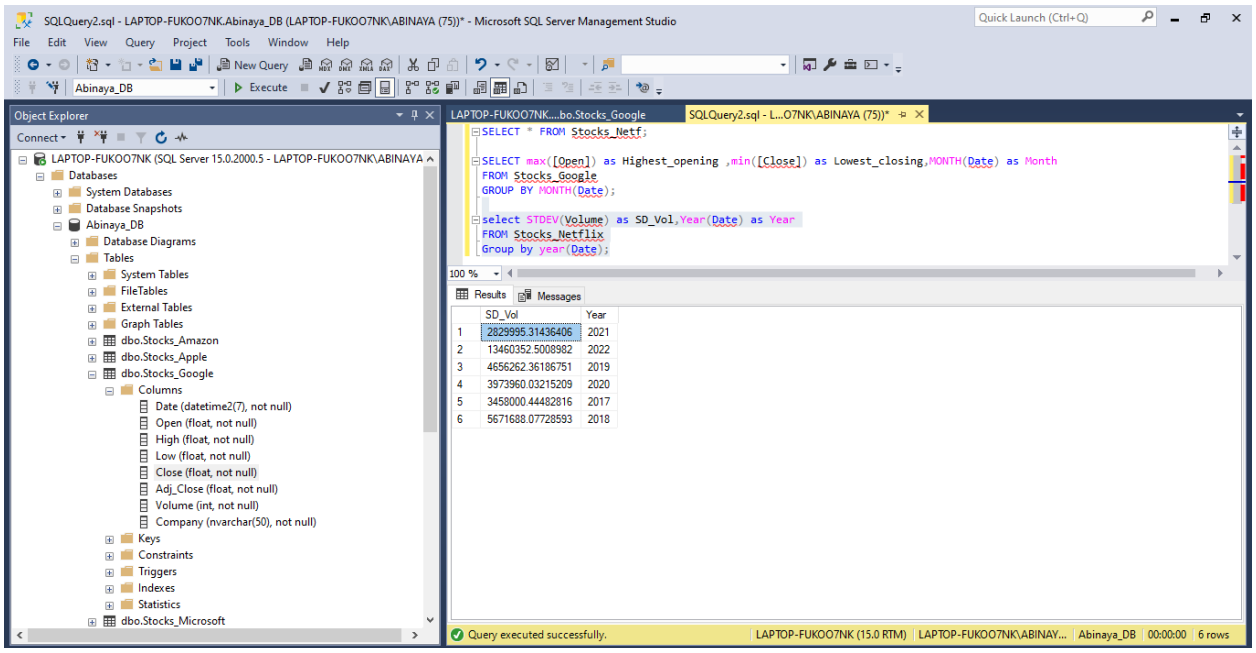
SELECT max([Open]) as Highest_opening ,min([Close]) as Lowest_closing,MONTH(Date) as Month
FROM Stocks_Google
GROUP BY MONTH(Date);



2. Find the standard deviation of Volume per year for Netflix.

Query

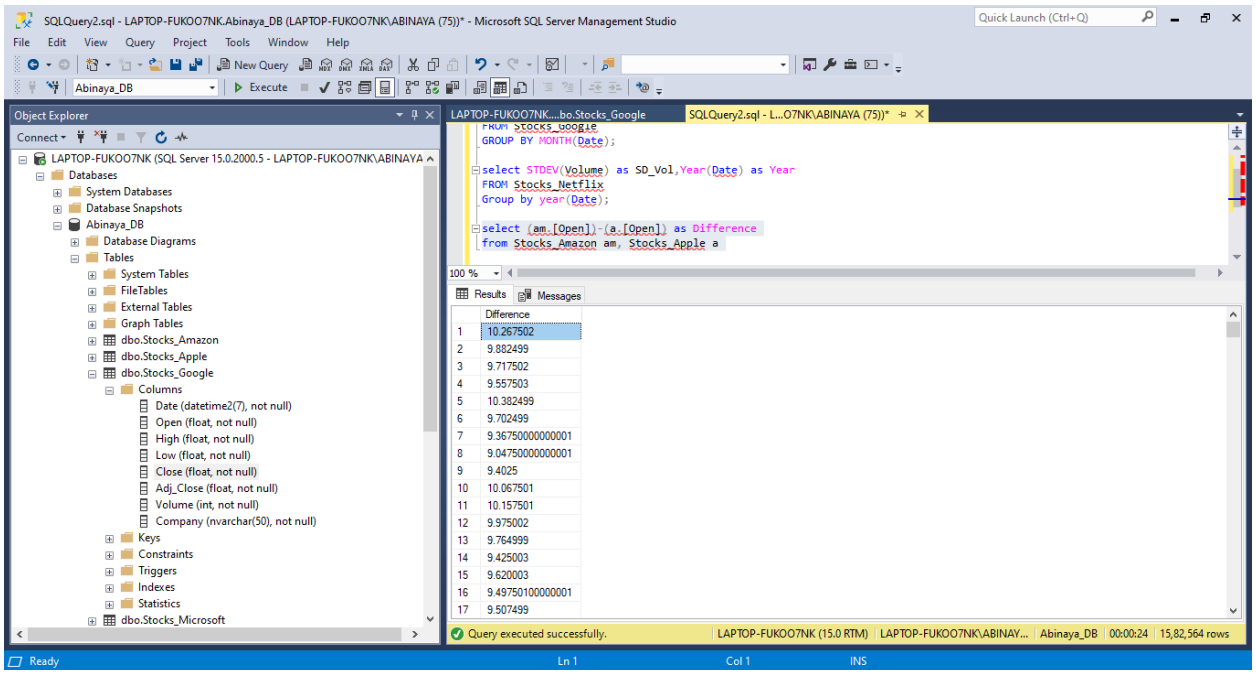
```
SELECT STDEV(Volume) as SD_Vol,Year(Date) as Year
FROM Stocks_Netflix
GROUP BY year(Date);
```



3. Find the difference between the opening values of Amazon and Apple.

Query

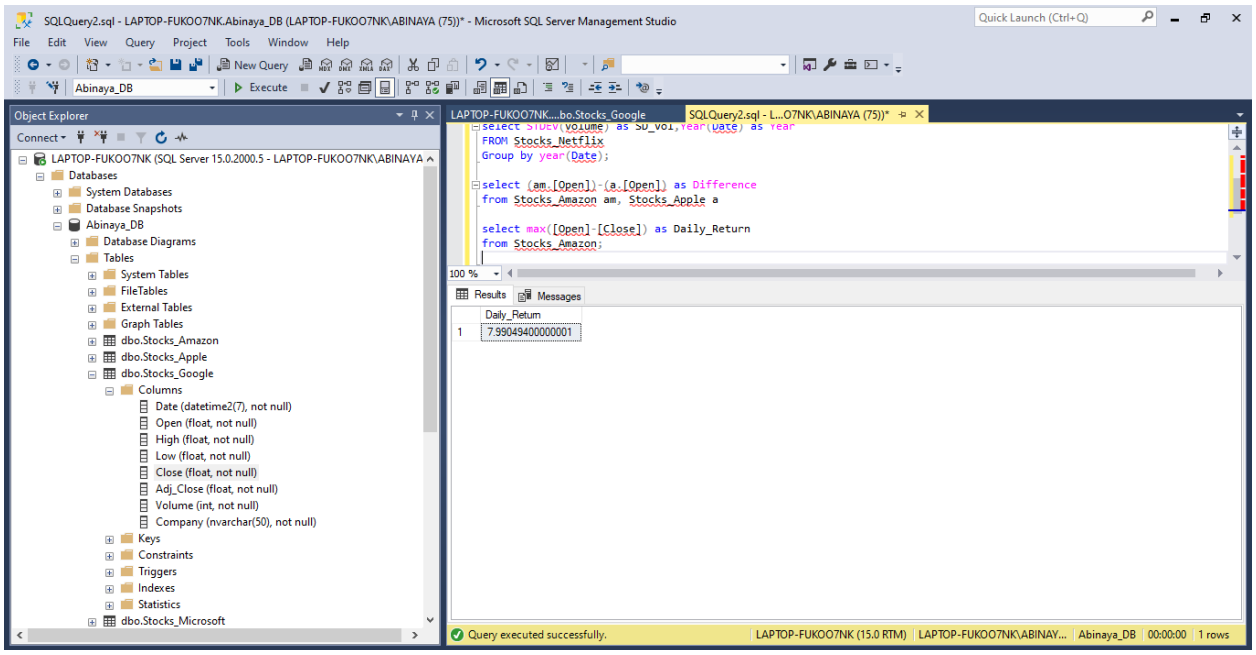
SELECT (am.[Open])-(a.[Open]) as Difference
FROM Stocks_Amazon am, Stocks_Apple a



4. Find the largest daily return for Amazon. (Daily return is calculated by subtracting the opening price from the closing price)

Query

SELECT max([Open]-[Close]) as Daily_Return
FROM Stocks_Amazon;

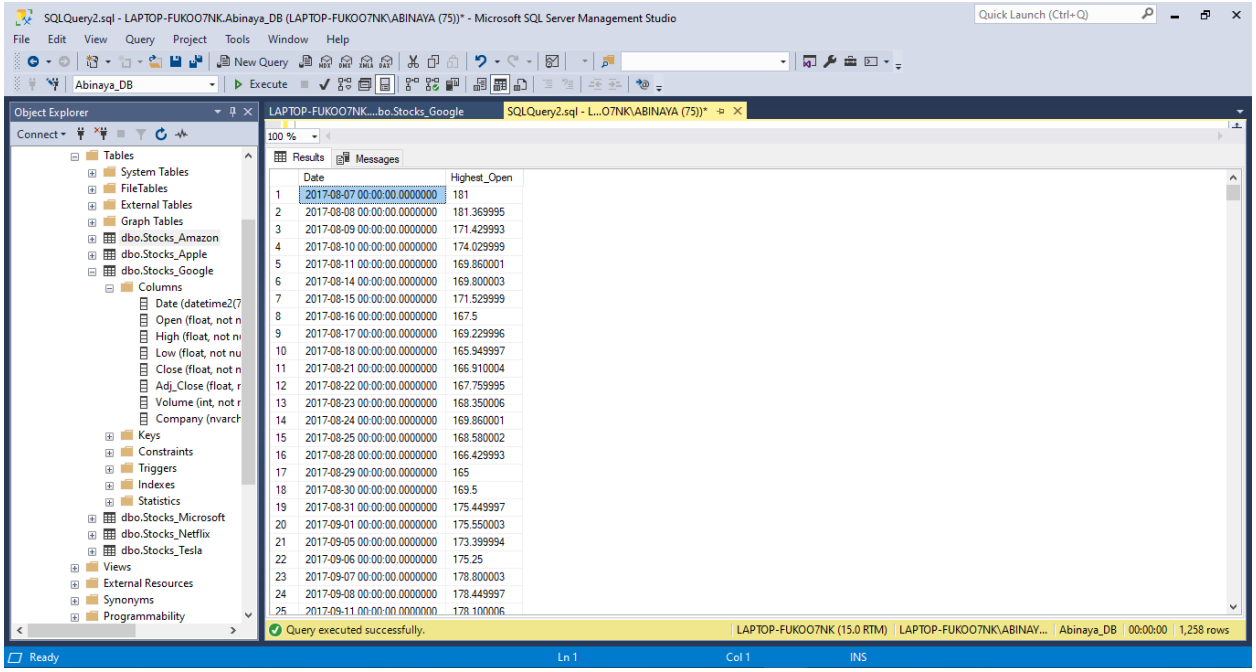


5. Print the company name with the highest opening value for each day.

Query

```
SELECT Date,MAX([UpdateOpen]) AS Highest_Open
FROM
(
	SELECT Date,Company, [Open] AS UpdateOpen
	FROM Stocks_Amazon
	UNION
	SELECT Date,Company, [Open] AS UpdateOpen
	FROM Stocks_Apple
	UNION
	SELECT Date,Company, [Open] AS UpdateOpen
	FROM Stocks_netflix
	UNION
	SELECT Date,Company, [Open] AS UpdateOpen
	FROM Stocks_Microsoft
	UNION
	SELECT Date,Company, [Open] AS UpdateOpen
	FROM Stocks_Tesla
	UNION
	SELECT Date,Company, [Open] AS UpdateOpen
	FROM Stocks_Google
) ud

GROUP BY Date
```


SQLQuery2.sql - LAPTOP-FUKOO7NK.Abinaya_DB (LAPTOP-FUKOO7NK\ABINAYA (75))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Abinaya_DB
Execute
Object Explorer
Connect
Tables
System Tables
FileTables
External Tables
Graph Tables
dbo.Stocks_Amazon
dbo.Stocks_Apple
dbo.Stocks_Google
Columns
Date (datetime2(7
Open (float, not n
High (float, not n
Low (float, not nu
Close (float, not n
Adj_Close (float, r
Volume (int, not r
Company (nvarch
Keys
Constraints
Triggers
Indexes
Statistics
dbo.Stocks_Microsoft
dbo.Stocks_Netflix
dbo.Stocks_Tesla
Views
External Resources
Synonyms
Programmability
LAPTOP-FUKOO7NK....bo.Stocks_Google
SQLQuery2.sql - L...O7NK\ABINAYA (75))*
100 %
Results
Messages
Date
Highest_Open
1 2017-08-07 00:00:00.0000000 181
2 2017-08-08 00:00:00.0000000 181.369995
3 2017-08-09 00:00:00.0000000 171.429993
4 2017-08-10 00:00:00.0000000 174.029999
5 2017-08-11 00:00:00.0000000 169.860001
6 2017-08-14 00:00:00.0000000 169.800003
7 2017-08-15 00:00:00.0000000 171.529999
8 2017-08-16 00:00:00.0000000 167.5
9 2017-08-17 00:00:00.0000000 169.229996
10 2017-08-18 00:00:00.0000000 165.949997
11 2017-08-21 00:00:00.0000000 166.910004
12 2017-08-22 00:00:00.0000000 167.759995
13 2017-08-23 00:00:00.0000000 168.350006
14 2017-08-24 00:00:00.0000000 169.860001
15 2017-08-25 00:00:00.0000000 168.580002
16 2017-08-28 00:00:00.0000000 166.429993
17 2017-08-29 00:00:00.0000000 165
18 2017-08-30 00:00:00.0000000 169.5
19 2017-08-31 00:00:00.0000000 175.449997
20 2017-09-01 00:00:00.0000000 175.550003
21 2017-09-05 00:00:00.0000000 173.399994
22 2017-09-06 00:00:00.0000000 175.25
23 2017-09-07 00:00:00.0000000 178.800003
24 2017-09-08 00:00:00.0000000 178.449997
Query executed successfully.
LAPTOP-FUKOO7NK (15.0 RTM)
LAPTOP-FUKOO7NK\ABINAY...
Abinaya_DB
00:00:00
1,258 rows
Ready
Ln 1
Col 1
INS