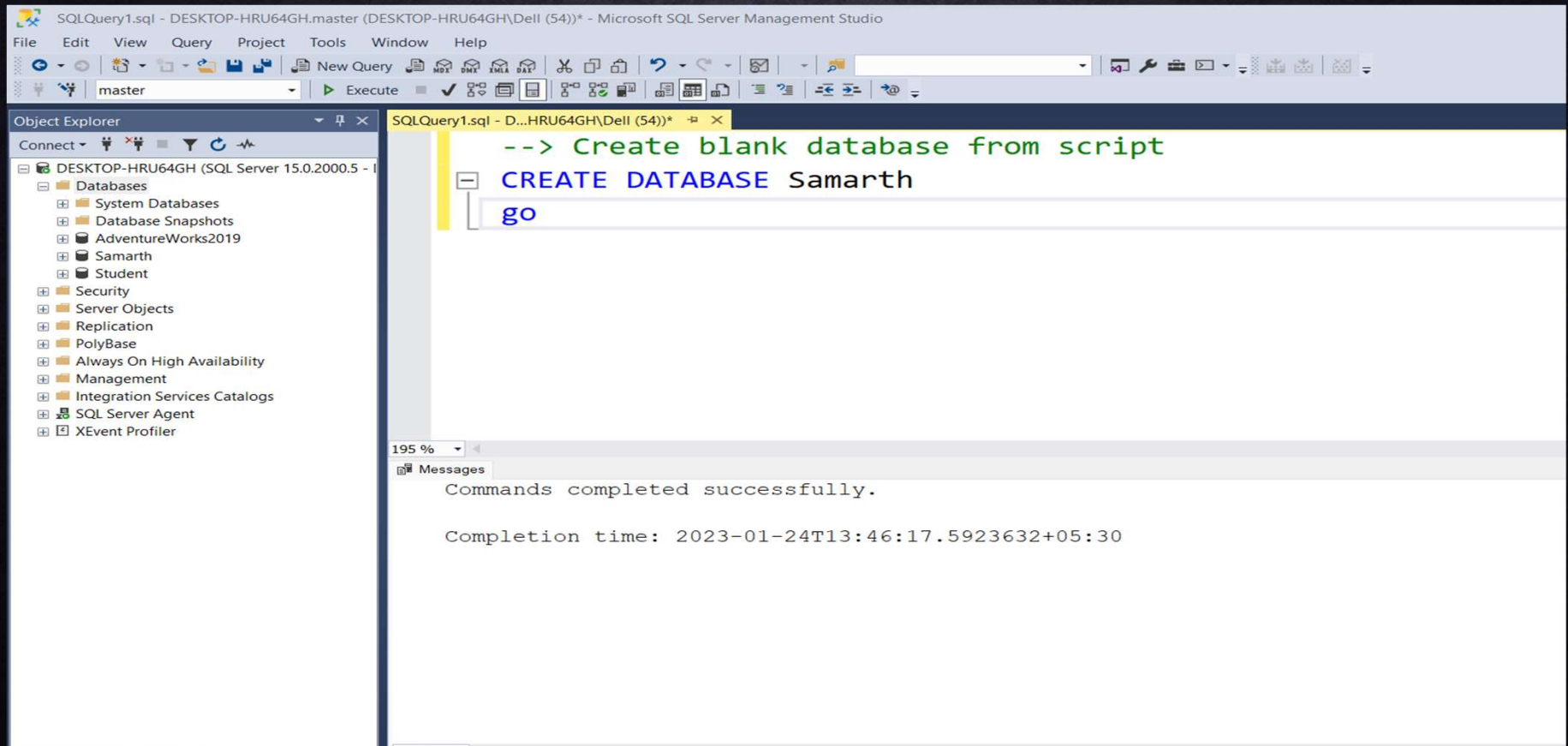


## PRACTICAL TEST: 1

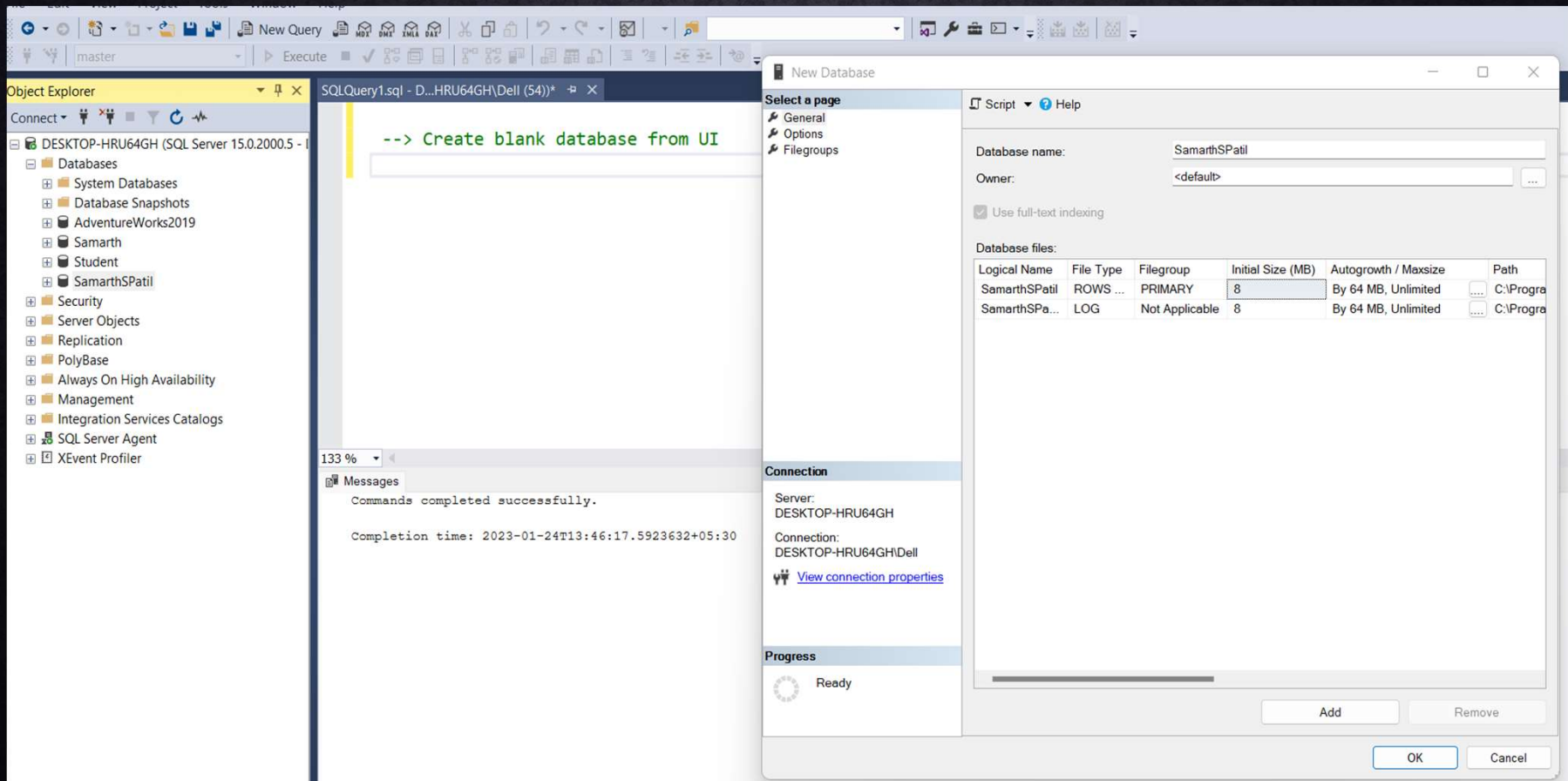
### CREATE BLANK DATABASE FROM SCRIPT

### CREATED DATABASE NAMED AS SAMARTH



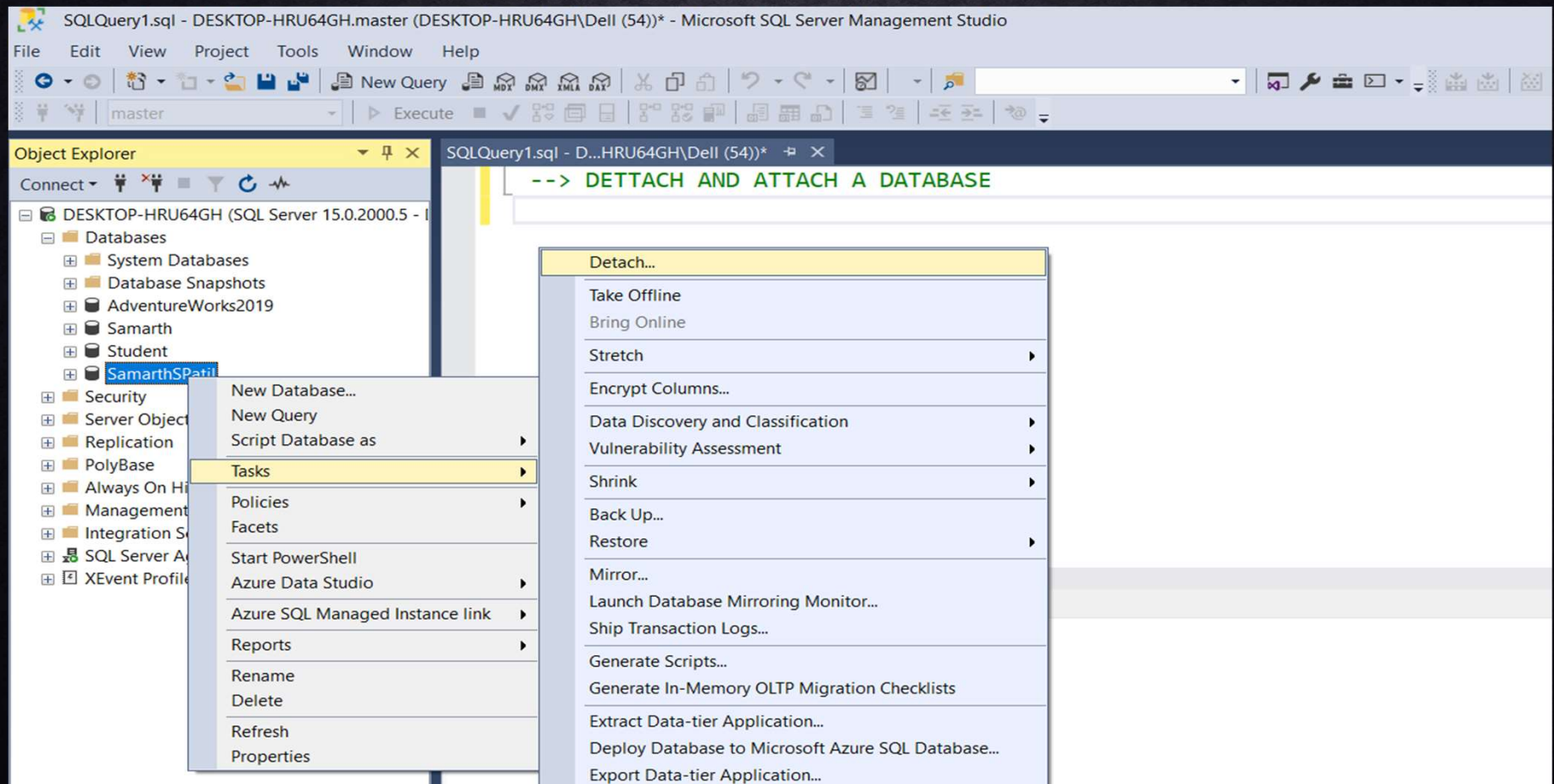
# CREATE BLANK DATABASE FROM UI

## CREATED DATABASE: SAMARTHSPATIL

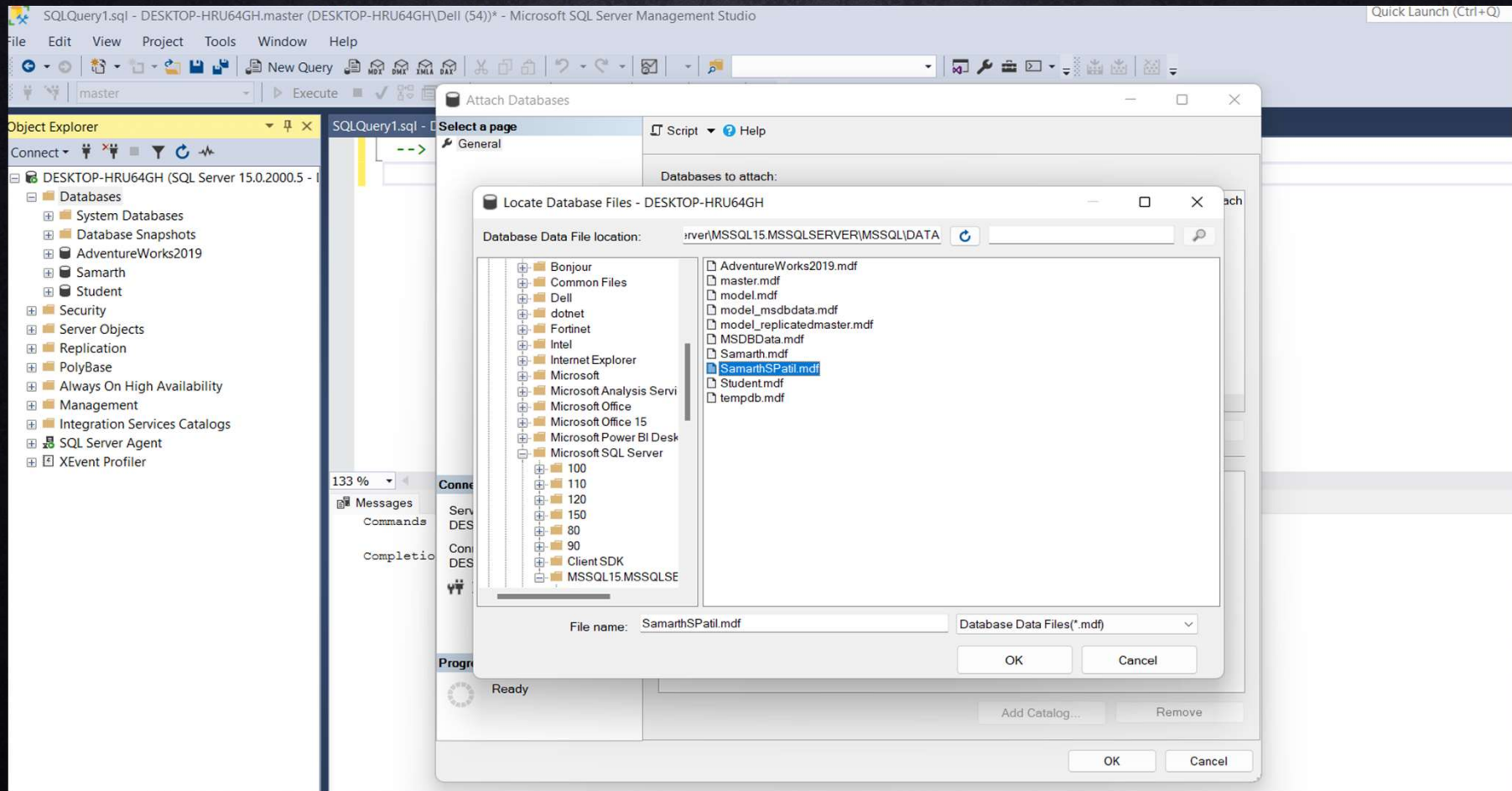


## DETACH AND ATTACH

### DETACHED DATABASE SAMARTHSPATIL



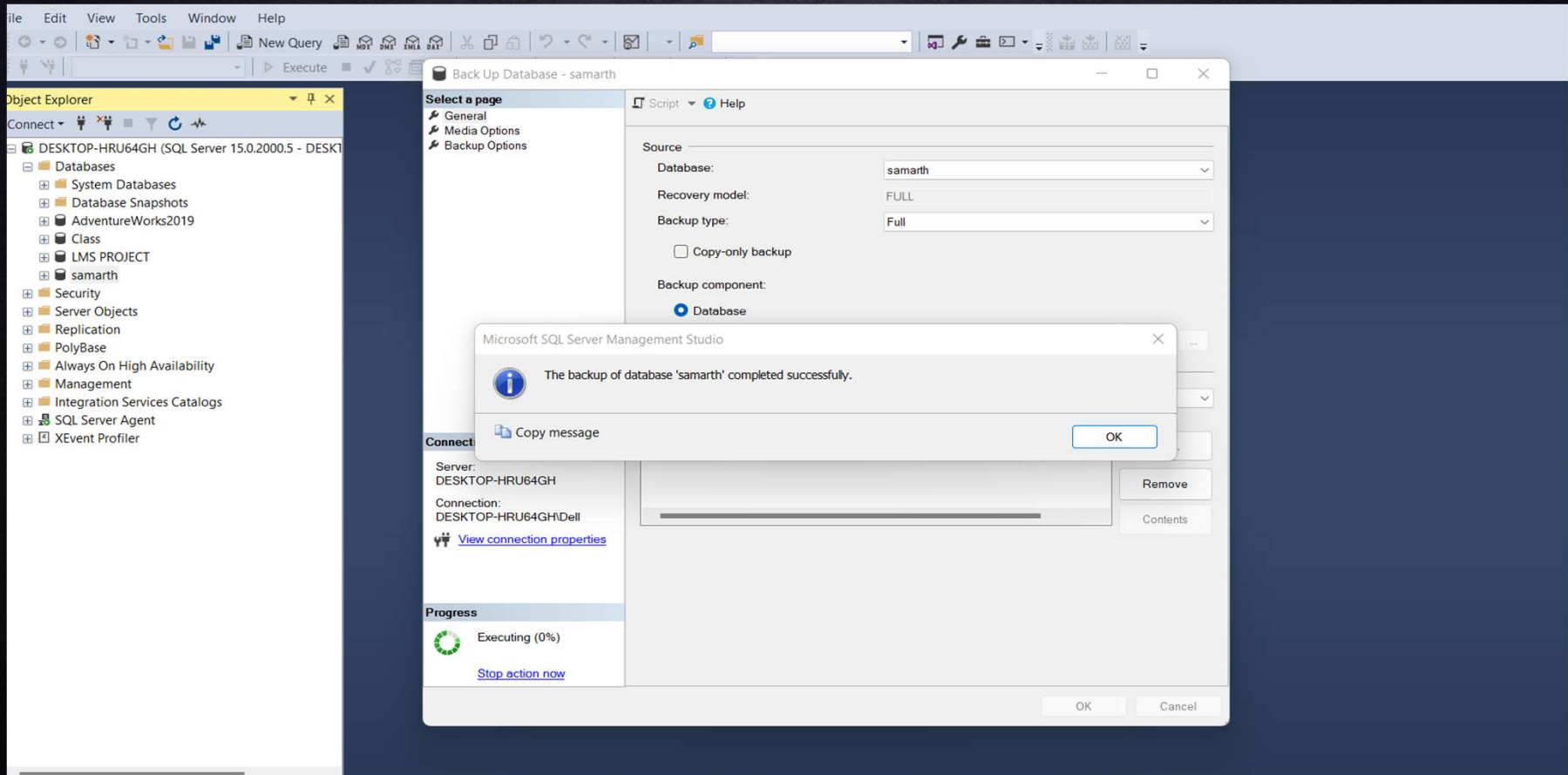
## ATTACHED DATABASE SAMARTHSPATIL



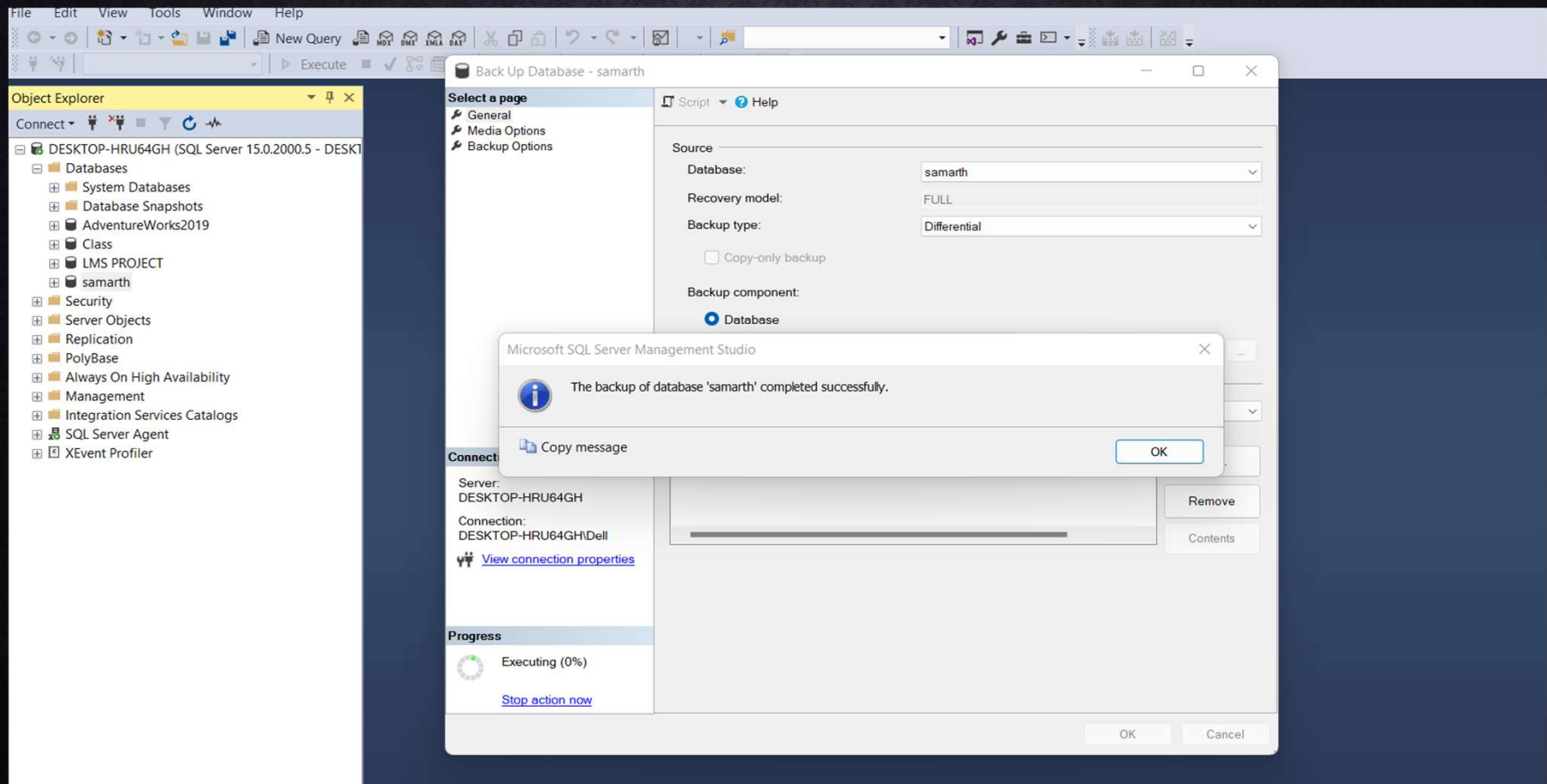


# PERFORM BACK UP USING UI METHOD FULL, DIFFERENTIAL, TRANSACTION LOG, TAIL LOG BACKUP

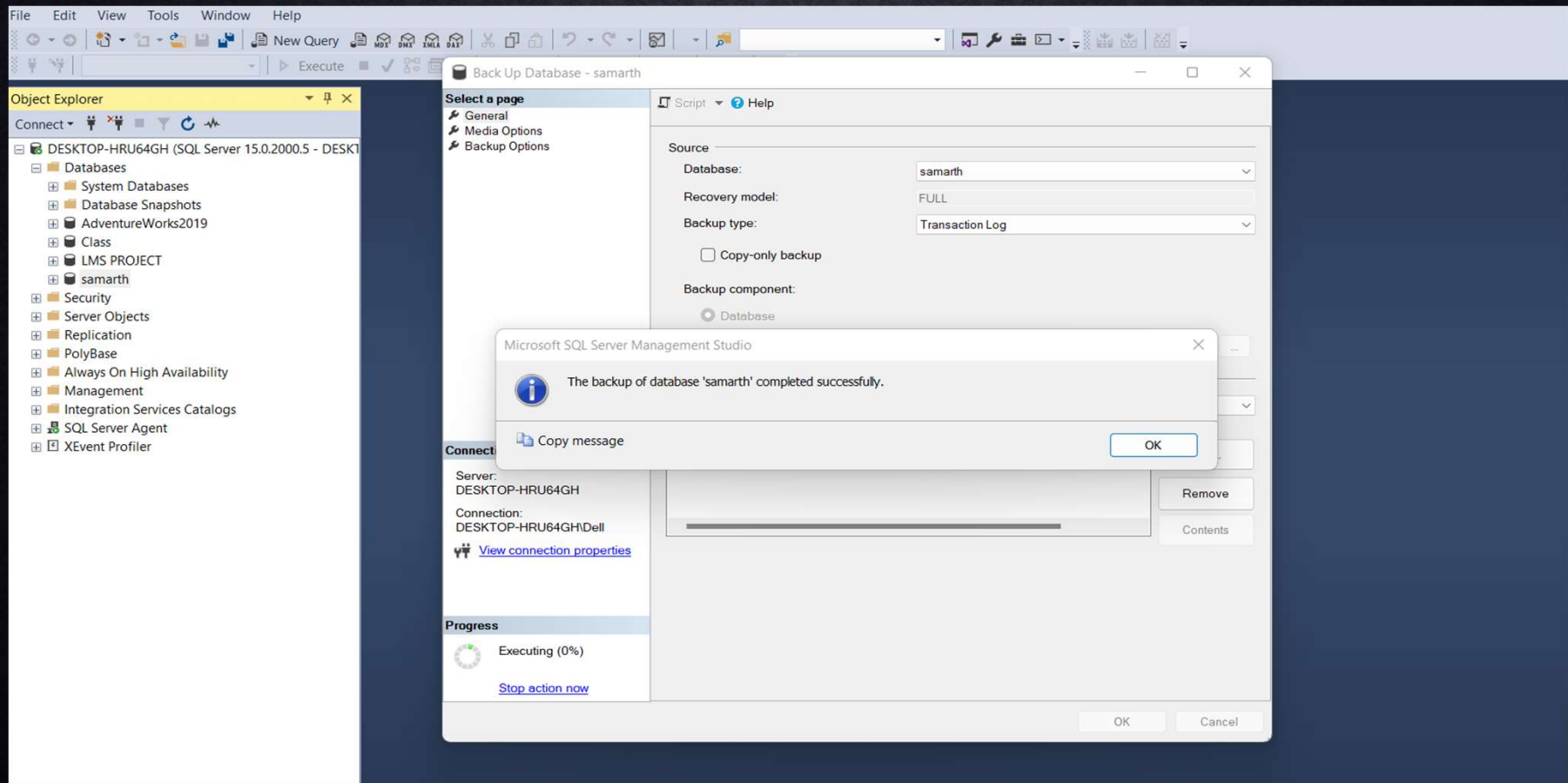
## FULL BACKUP



# DIFFERENTIAL BACKUP



# TRANSACTION LOG BACKUP



# TAIL LOG BACKUP

The screenshot illustrates the process of performing a tail log backup in SQL Server. The main window shows the 'Back Up Database - samarth' dialog box with the following settings:

- Source: samarth
- Recovery model: FULL
- Backup type: Transaction Log
- Copy-only backup: ☐
- Backup component: Database

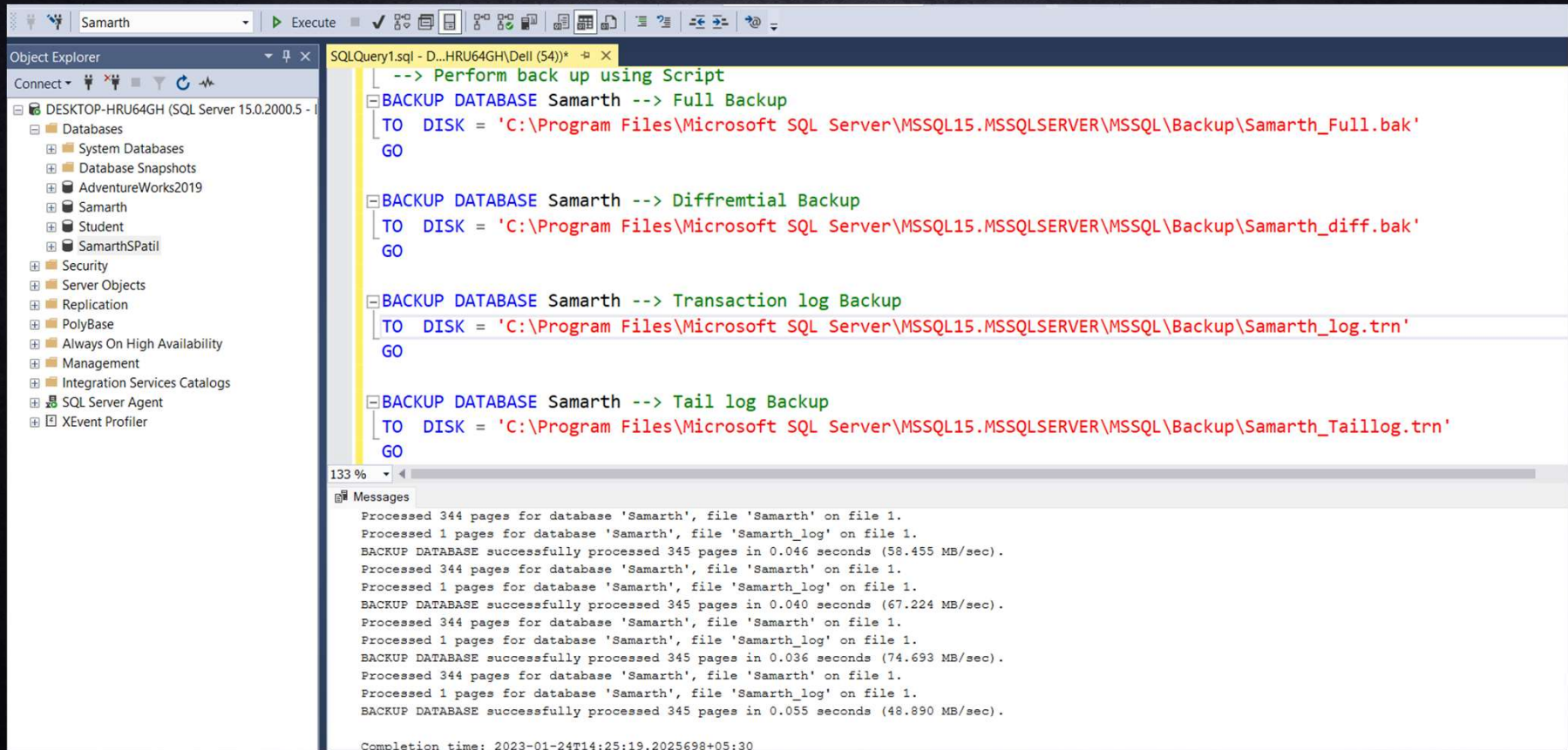
A message box from Microsoft SQL Server Management Studio confirms: "The backup of database 'samarth' completed successfully."

Below the message box, a file explorer window displays the backup files in the 'Backup' folder:

Name	Date modified	Type	Size
samarth_diff.bak	11/02/2023 18:16	BAK File	601 KB
samarth_full.bak	11/02/2023 18:15	BAK File	2,649 KB
samarth_log.trn	11/02/2023 18:18	TRN File	85 KB
samarth_taillog.trn	11/02/2023 18:22	TRN File	85 KB



# PERFORM BACK UP USING **SCRIPT METHOD** FULL, DIFFERENTIAL, TRANSACTION LOG, TAIL LOG BACKUP



The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the 'Samarth' database selected. The main pane shows a SQL query window with the following script:

```
--> Perform back up using Script
--BACKUP DATABASE Samarth --> Full Backup
TO DISK = 'C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup\Samarth_Full.bak'
GO

--BACKUP DATABASE Samarth --> Diffrential Backup
TO DISK = 'C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup\Samarth_diff.bak'
GO

--BACKUP DATABASE Samarth --> Transaction log Backup
TO DISK = 'C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup\Samarth_log.trn'
GO

--BACKUP DATABASE Samarth --> Tail log Backup
TO DISK = 'C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\Backup\Samarth_Taillog.trn'
GO
```

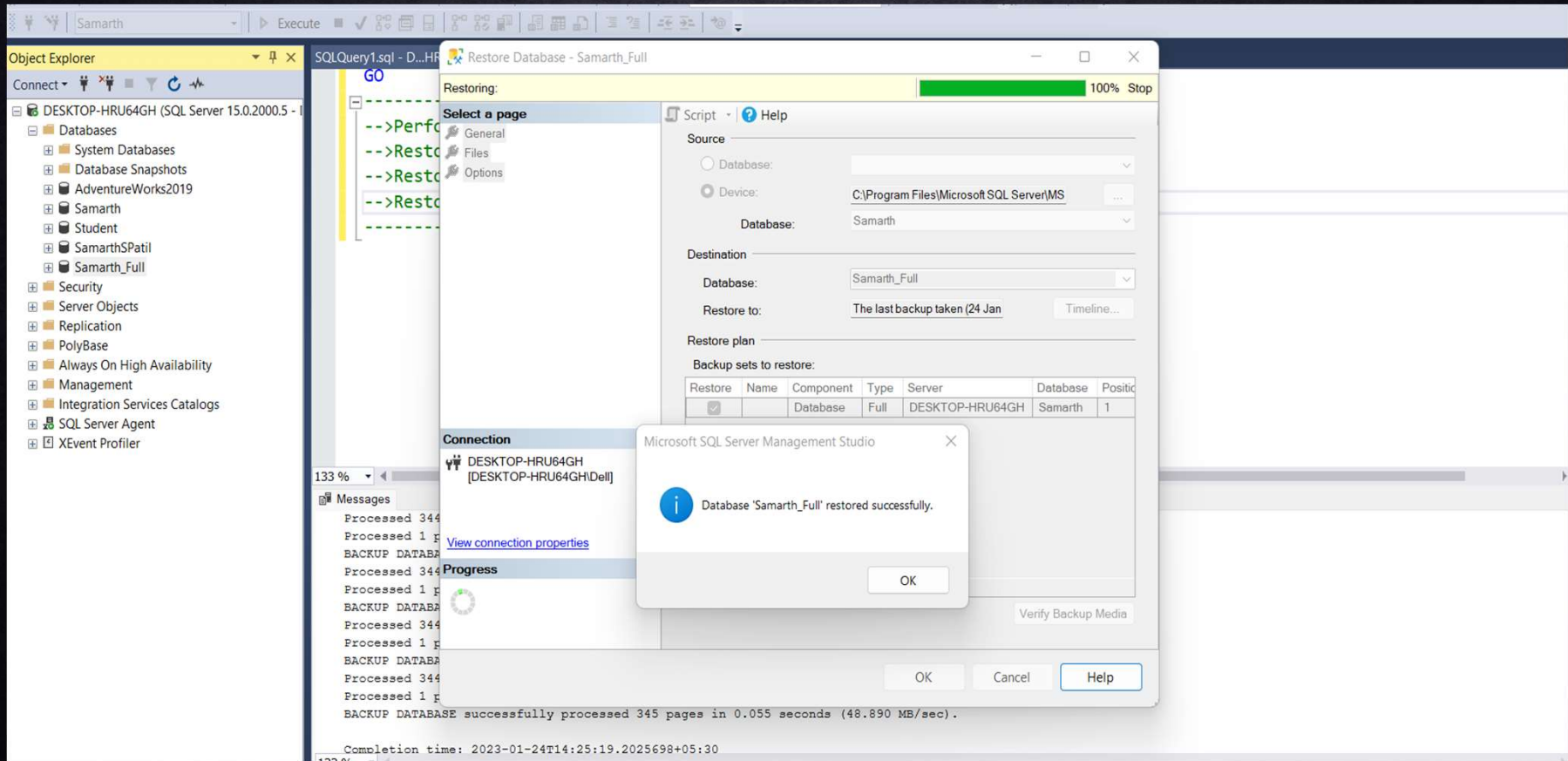
The Messages pane at the bottom shows the execution results:

```
Processed 344 pages for database 'Samarth', file 'Samarth' on file 1.
Processed 1 pages for database 'Samarth', file 'Samarth_log' on file 1.
BACKUP DATABASE successfully processed 345 pages in 0.046 seconds (58.455 MB/sec).
Processed 344 pages for database 'Samarth', file 'Samarth' on file 1.
Processed 1 pages for database 'Samarth', file 'Samarth_log' on file 1.
BACKUP DATABASE successfully processed 345 pages in 0.040 seconds (67.224 MB/sec).
Processed 344 pages for database 'Samarth', file 'Samarth' on file 1.
Processed 1 pages for database 'Samarth', file 'Samarth_log' on file 1.
BACKUP DATABASE successfully processed 345 pages in 0.036 seconds (74.693 MB/sec).
Processed 344 pages for database 'Samarth', file 'Samarth' on file 1.
Processed 1 pages for database 'Samarth', file 'Samarth_log' on file 1.
BACKUP DATABASE successfully processed 345 pages in 0.055 seconds (48.890 MB/sec).
```

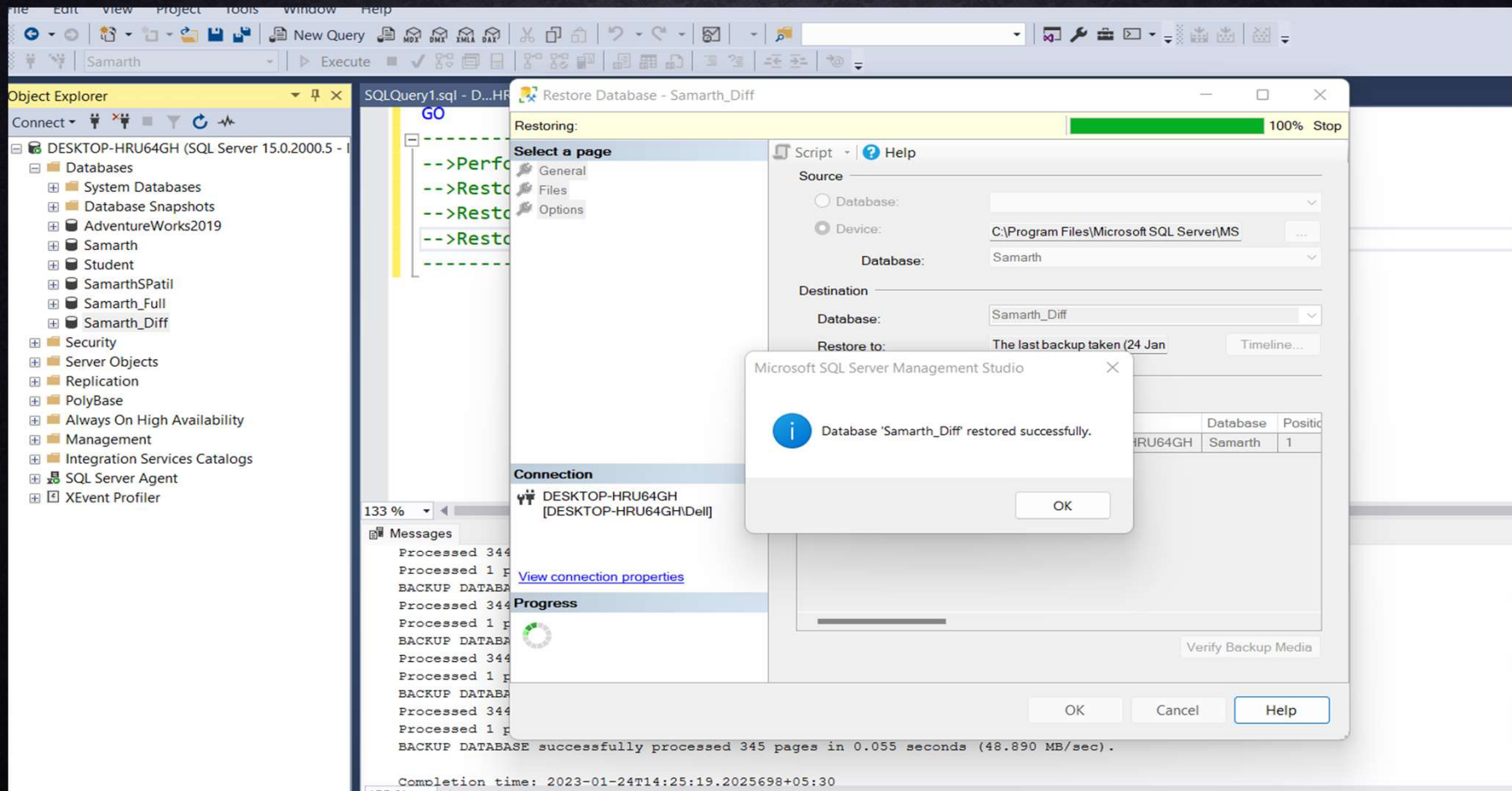
Completion time: 2023-01-24T14:25:19.2025698+05:30

## PERFORM RESTORING BACK UP USING UI

### RESTORE FULL BACKUP

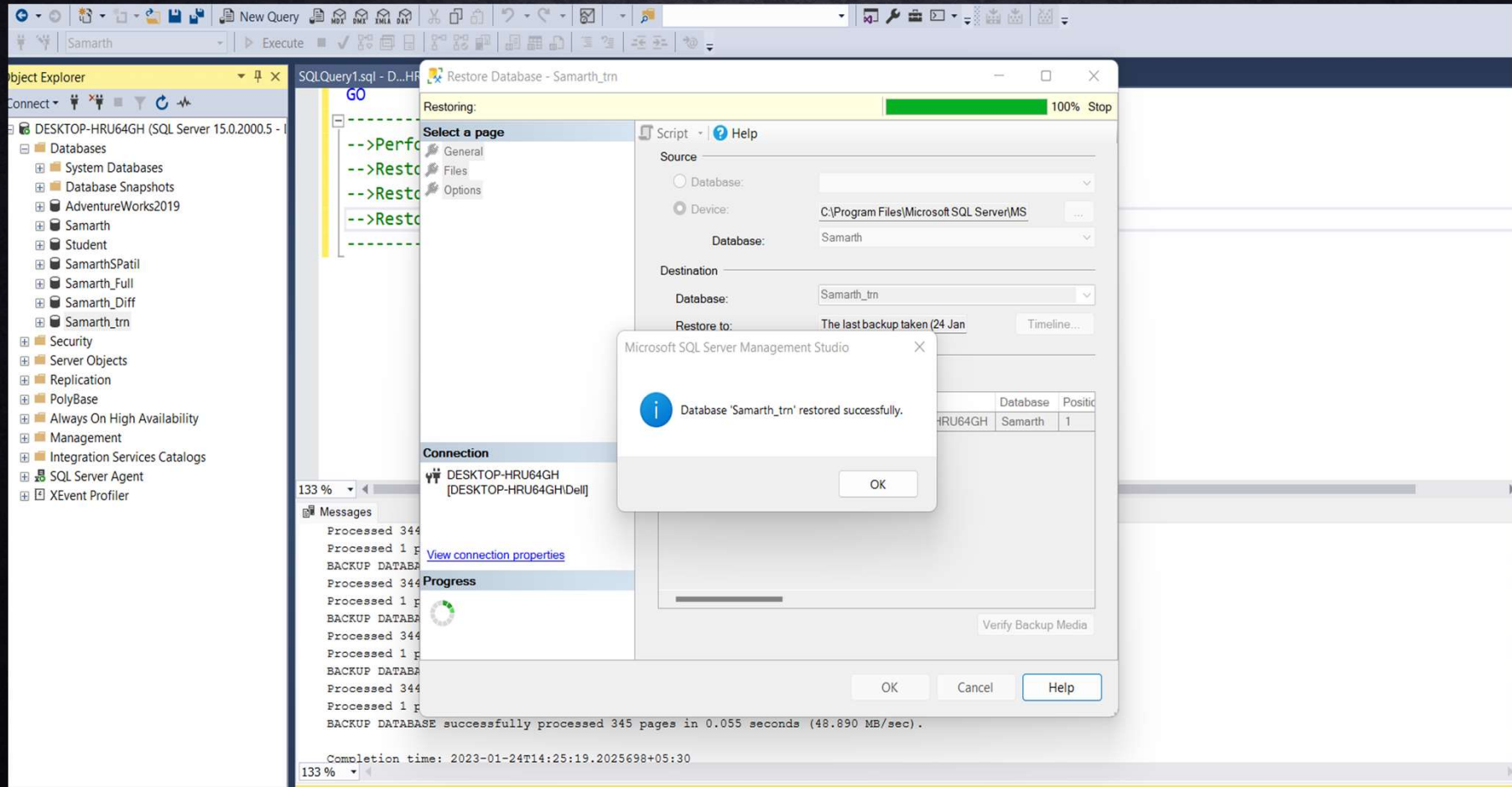


# RESTORE DIFFERENTIAL BACKUP



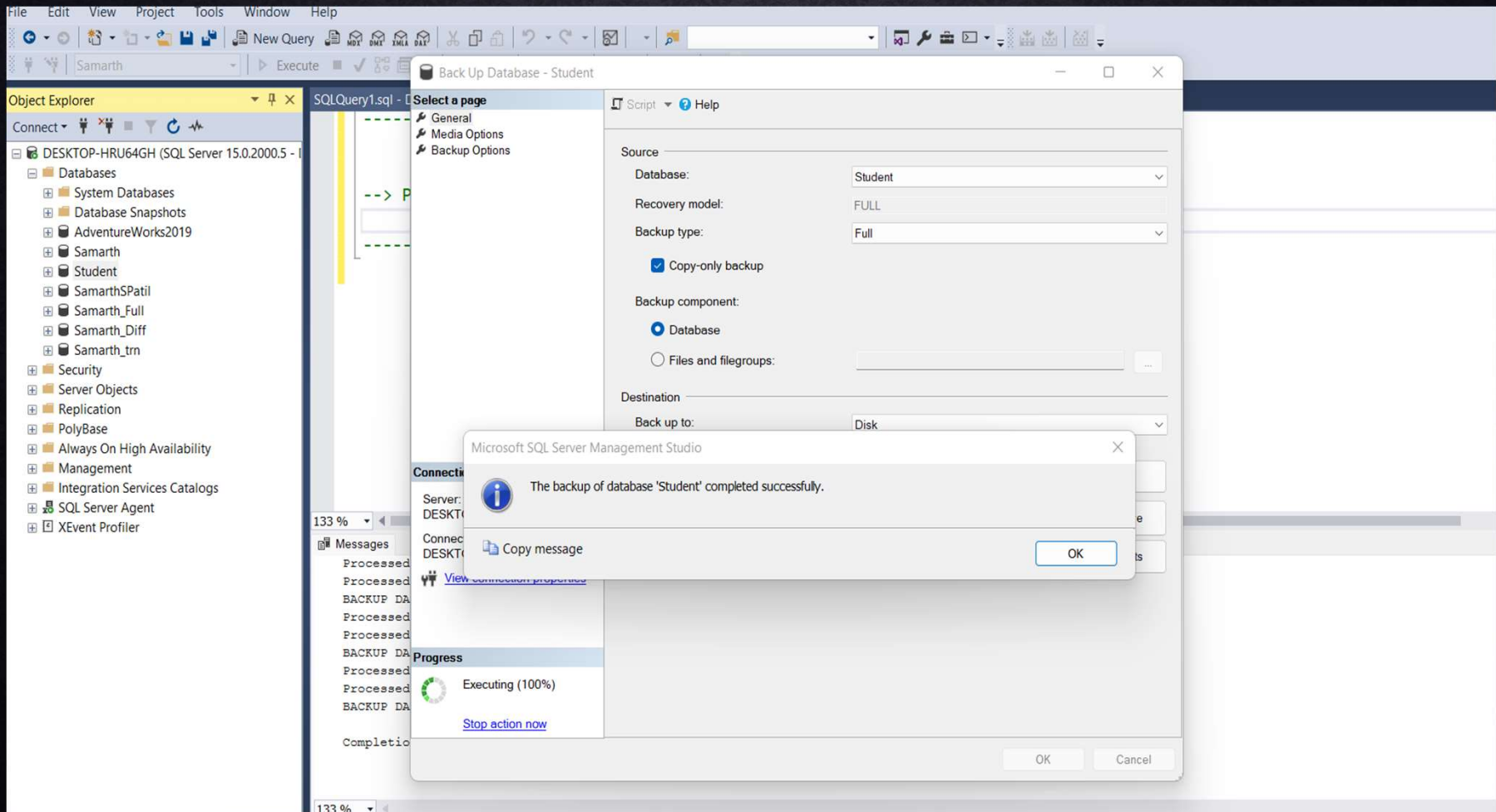


## RESTORE TRANSACTION LOG BACKUP





## PERFORM DATABASE **COPY ONLY BACKUP** AND RESTORATION USING UI



# RESTORING COPY ONLY BACKUP

