

DBMS LAB ASSIGNMENT-2

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TRAVEL AGENCY DB:

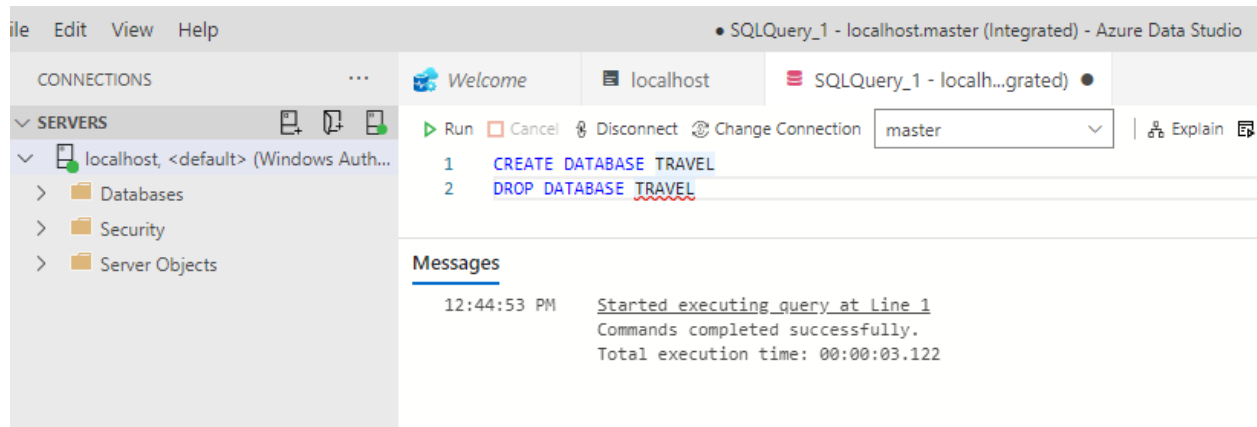
1. Show how to Create and Drop Database

QUERY:

CREATE DATABASE TRAVEL

DROP DATABASE TRAVEL

OUTPUT:

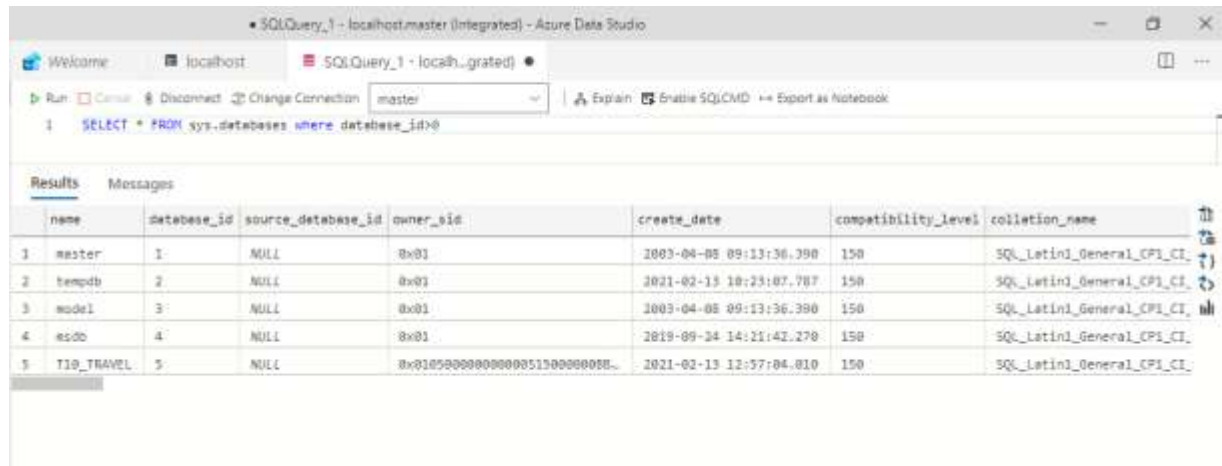


2. Show all the Databases are in the system

QUERY:

SELECT * FROM sys.databases where database_id>0

OUTPUT:



The screenshot shows the Azure Data Studio interface with a query window titled 'SQLQuery_1 - localhost.master (Integrated)'. The query executed is 'SELECT * FROM sys.databases where database_id>0'. The results are displayed in a table with 7 columns: name, database_id, source_database_id, owner_sid, create_date, compatibility_level, and collation_name. The table lists five databases: master, tempdb, model, msdb, and T10_TRAVEL.

	name	database_id	source_database_id	owner_sid	create_date	compatibility_level	collation_name
1	master	1	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CP1_CI_
2	tempdb	2	NULL	0x01	2021-02-13 10:23:07.707	150	SQL_Latin1_General_CP1_CI_
3	model	3	NULL	0x01	2003-04-08 09:13:36.390	150	SQL_Latin1_General_CP1_CI_
4	msdb	4	NULL	0x01	2019-09-24 14:21:42.270	150	SQL_Latin1_General_CP1_CI_
5	T10_TRAVEL	5	NULL	0x0105000000000005130000005B...	2021-02-13 12:57:04.010	150	SQL_Latin1_General_CP1_CI_

3. Create Table for your Database

QUERY:

USE T10_TRAVEL;

CREATE TABLE T10_traveldatabase

(

agency_id INT PRIMARY KEY NOT NULL,
agency_address VARCHAR(255)NOT NULL,
agency_description VARCHAR(45)

)

CREATE TABLE T10_customerdetailsNEW

(

customer_id INT PRIMARY KEY NOT NULL,
customer_name VARCHAR(45)NOT NULL,
customer_mobile INT NOT NULL,

```
customer_email VARCHAR(200)NOT NULL,  
customer_username VARCHAR(45)NOT NULL,  
customer_password VARCHAR(45)NOT NULL,  
customer_address VARCHAR(500)NOT NULL  
);
```

```
CREATE TABLE T10_bookingdetails
```

```
(  
    booking_id INT PRIMARY KEY NOT NULL,  
    booking_hotel_id VARCHAR(255)NOT NULL,  
    booking_type VARCHAR(45)NOT NULL,  
    booking_date INT NOT NULL,  
    booking_title VARCHAR(45),  
    booking_description VARCHAR(45)  
);
```

```
CREATE TABLE T10_hoteldetails
```

```
(  
    hotel_id INT PRIMARY KEY NOT NULL,  
    hotel_name VARCHAR(45)NOT NULL,  
    hotel_type VARCHAR(45)NOT NULL,  
    hotel_rent INT NOT NULL,  
    hotel_description VARCHAR(200),  
    hotel_address VARCHAR(400)NOT NULL
```

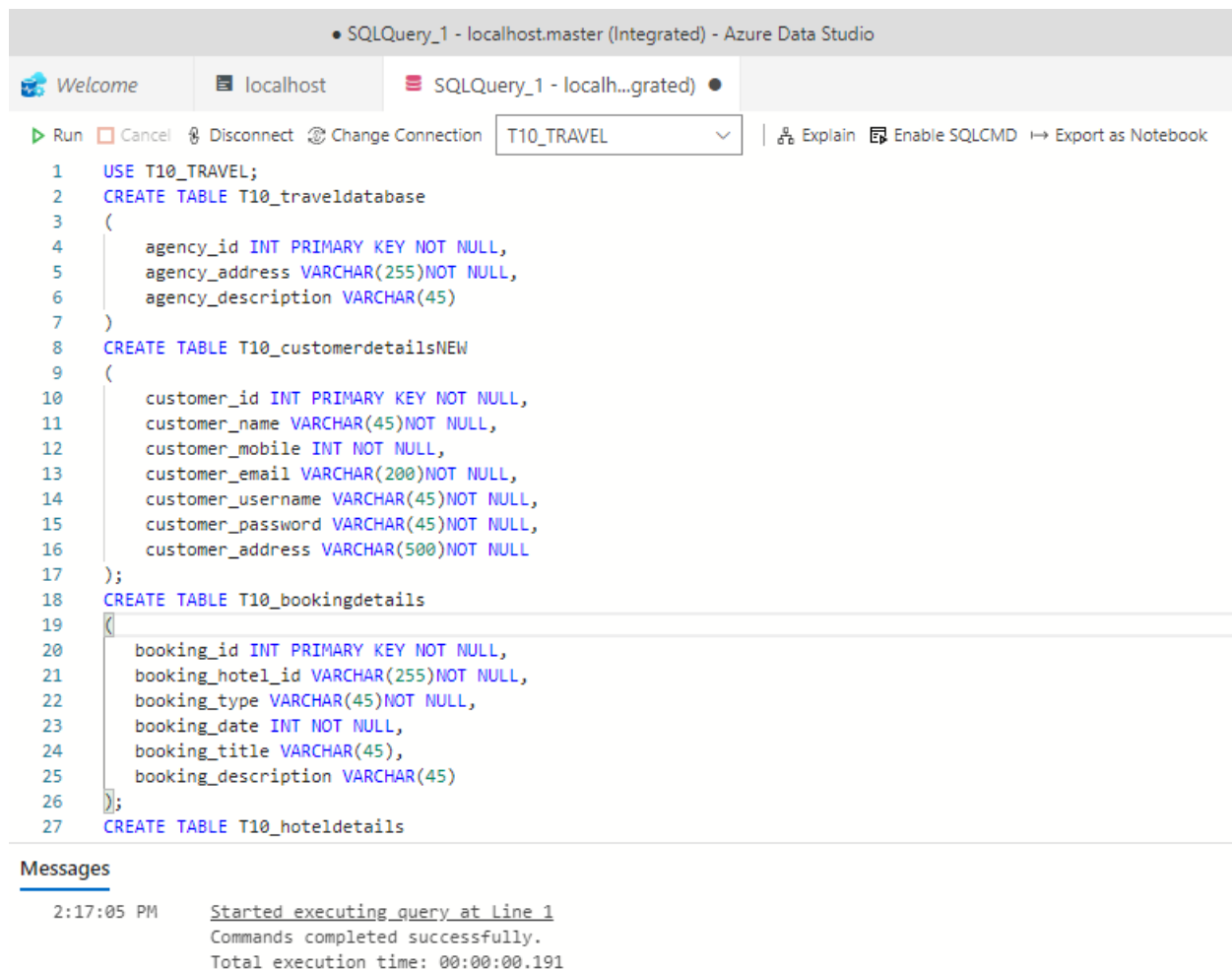
```
);  
CREATE TABLE T10_tourdetails  
(  
    tour_id INT PRIMARY KEY NOT NULL,  
    tour_agent_id VARCHAR(40)NOT NULL,  
    tour_customer_id VARCHAR(45)NOT NULL,  
    tour_name VARCHAR(45)NOT NULL,  
    tour_type VARCHAR(45)NOT NULL,  
    tour_place VARCHAR(45)NOT NULL,  
    tour_description VARCHAR(200)  
);
```

```
CREATE TABLE T10_packagedetails  
(  
    package_id INT PRIMARY KEY NOT NULL,  
    package_tour_id INT NOT NULL,  
    package_name VARCHAR(45)NOT NULL,  
    package_amount INT NOT NULL,  
    package_total INT NOT NULL,  
    package_type VARCHAR(45) NOT NULL,  
    package_description VARCHAR(200)  
);
```

```
CREATE TABLE T10_transportationdetails
```

(
transportation_id INT PRIMARY KEY NOT NULL,
transportation_tour_id VARCHAR(255)NOT NULL,
transportation_name VARCHAR(45)NOT NULL,
transportation_type VARCHAR(45)NOT NULL,
transportation_description VARCHAR(200)
);

OUTPUT:



```
SQLQuery_1 - localhost.master (Integrated) - Azure Data Studio

Welcome | localhost | SQLQuery_1 - localh...grated)

Run Cancel Disconnect Change Connection T10_TRAVEL Explain Enable SQLCMD Export as Notebook

1  USE T10_TRAVEL;
2  CREATE TABLE T10_travel
3  (
4      agency_id INT PRIMARY KEY NOT NULL,
5      agency_address VARCHAR(255)NOT NULL,
6      agency_description VARCHAR(45)
7  )
8  CREATE TABLE T10_customerdetailsNEW
9  (
10     customer_id INT PRIMARY KEY NOT NULL,
11     customer_name VARCHAR(45)NOT NULL,
12     customer_mobile INT NOT NULL,
13     customer_email VARCHAR(200)NOT NULL,
14     customer_username VARCHAR(45)NOT NULL,
15     customer_password VARCHAR(45)NOT NULL,
16     customer_address VARCHAR(500)NOT NULL
17 );
18 CREATE TABLE T10_bookingdetails
19 (
20     booking_id INT PRIMARY KEY NOT NULL,
21     booking_hotel_id VARCHAR(255)NOT NULL,
22     booking_type VARCHAR(45)NOT NULL,
23     booking_date INT NOT NULL,
24     booking_title VARCHAR(45),
25     booking_description VARCHAR(45)
26 );
27 CREATE TABLE T10_hoteldetails
```

Messages

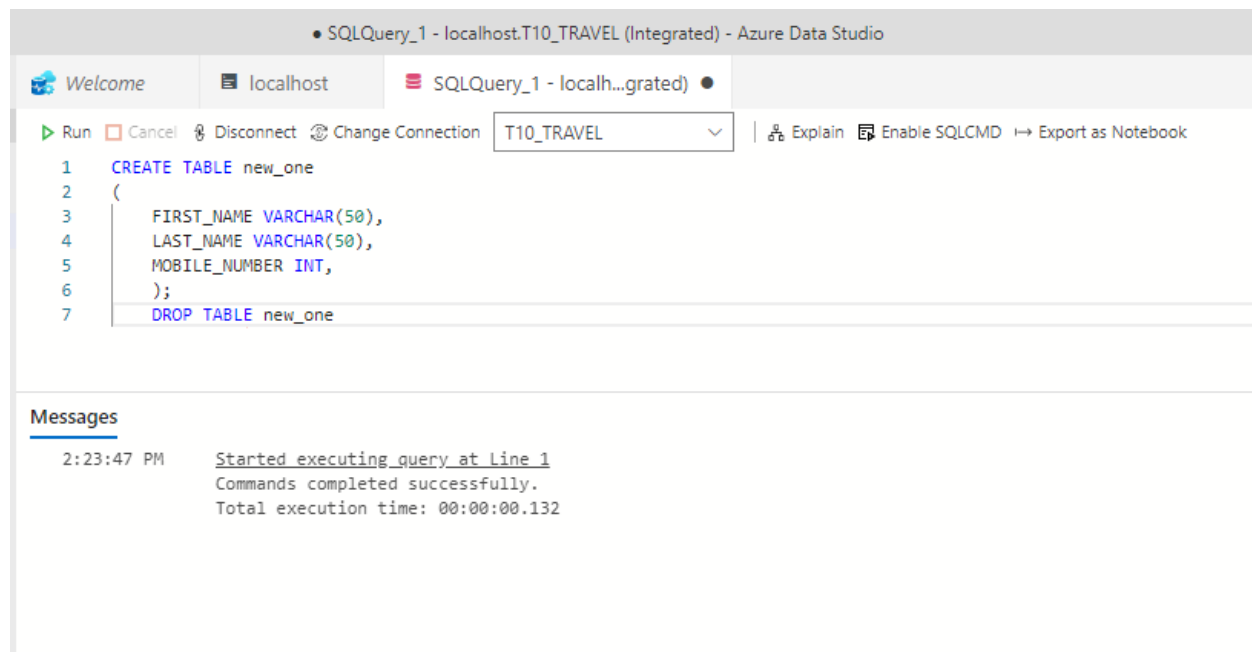
2:17:05 PM Started executing query at Line 1
Commands completed successfully.
Total execution time: 00:00:00.191

4.Drop table

QUERY:

```
CREATE TABLE new_one  
(  
    FIRST_NAME VARCHAR(50),  
    LAST_NAME VARCHAR(50),  
    MOBILE_NUMBER INT,  
);  
DROP TABLE new_one
```

OUTPUT:



The screenshot displays the Azure Data Studio interface. The top toolbar includes buttons for 'Run', 'Cancel', 'Disconnect', 'Change Connection', and a dropdown menu currently set to 'T10_TRAVEL'. The main editor window shows a SQL script with seven lines: a 'CREATE TABLE' statement for 'new_one' with columns 'FIRST_NAME VARCHAR(50)', 'LAST_NAME VARCHAR(50)', and 'MOBILE_NUMBER INT', followed by a semicolon, and then a 'DROP TABLE new_one' statement. The 'Messages' panel at the bottom shows a log entry at 2:23:47 PM stating 'Started executing query at Line 1', 'Commands completed successfully.', and 'Total execution time: 00:00:00.132'.

```
SQLQuery_1 - localhost.T10_TRAVEL (Integrated) - Azure Data Studio
```

Welcome | localhost | SQLQuery_1 - localh...grated)

Run Cancel Disconnect Change Connection T10_TRAVEL Explain Enable SQLCMD Export as Notebook

```
1 CREATE TABLE new_one
2 (
3     FIRST_NAME VARCHAR(50),
4     LAST_NAME VARCHAR(50),
5     MOBILE_NUMBER INT,
6 );
7 DROP TABLE new_one
```

Messages

2:23:47 PM Started executing query at Line 1
Commands completed successfully.
Total execution time: 00:00:00.132

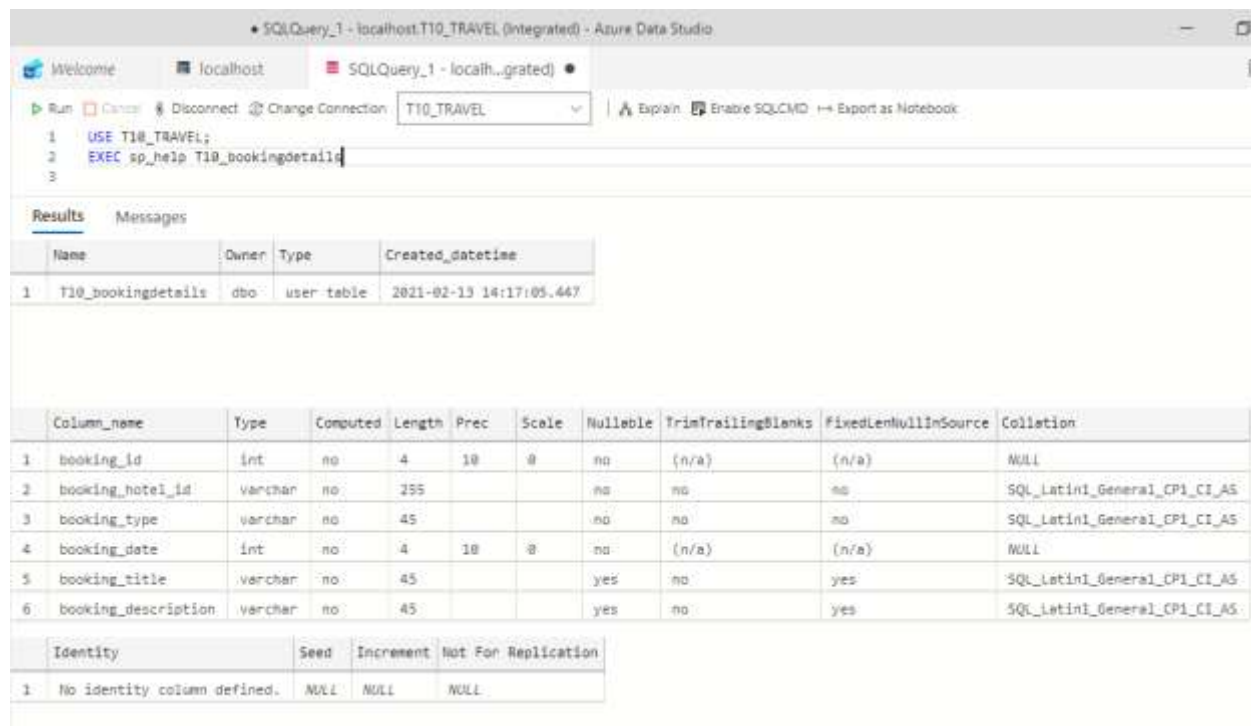
5. Show how to check the schema of the tables

QUERY:

USE T10_TRAVEL;

EXEC sp_help T10_bookingdetails

OUTPUT:



SQLQuery_1 - localhost:T10_TRAVEL (Integrated) - Azure Data Studio

Run Cancel Disconnect Change Connection T10_TRAVEL Explain Enable SQLCMD Export as Notebook

```
1 USE T10_TRAVEL;
2 EXEC sp_help T10_bookingdetails
3
```

Results Messages

Name	Owner	Type	Created_datetime
T10_bookingdetails	dbo	user table	2021-02-13 14:17:05.447

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
1 booking_id	int	no	4	10	0	no	(n/a)	(n/a)	NULL
2 booking_hotel_id	varchar	no	255			no	no	no	SQL_Latin1_General_CP1_CI_AS
3 booking_type	varchar	no	45			no	no	no	SQL_Latin1_General_CP1_CI_AS
4 booking_date	int	no	4	10	0	no	(n/a)	(n/a)	NULL
5 booking_title	varchar	no	45			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
6 booking_description	varchar	no	45			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

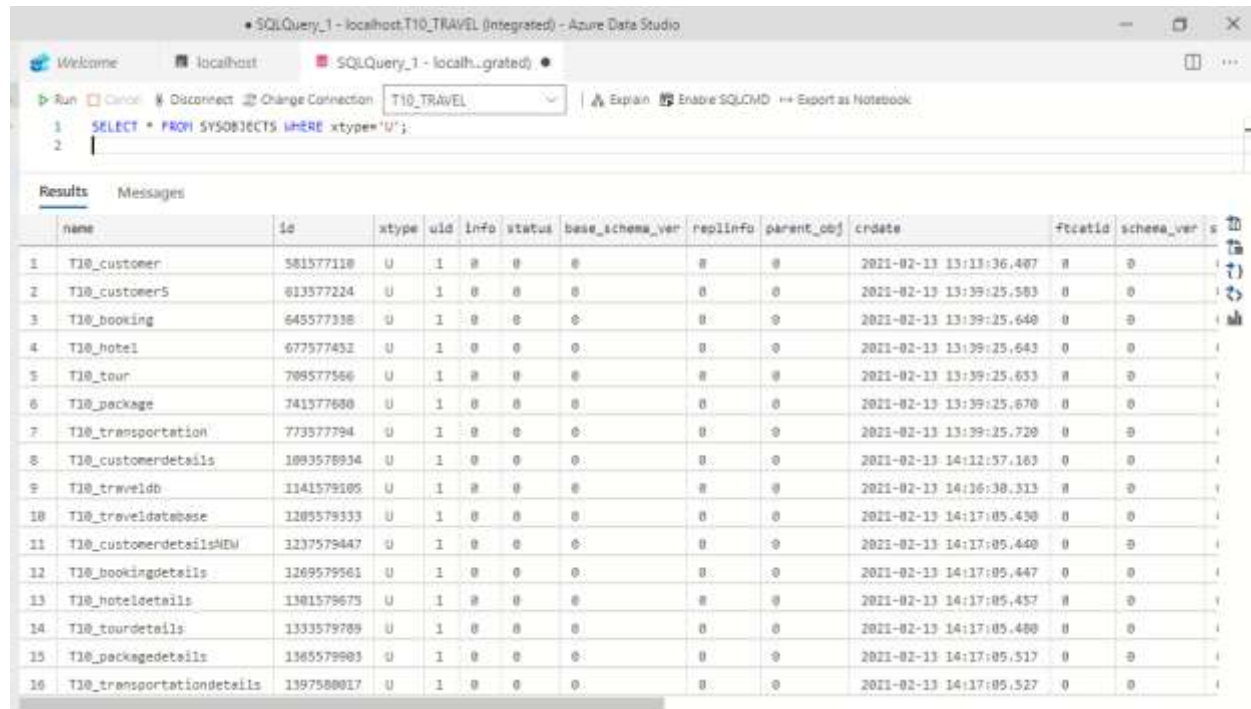
Identity	Seed	Increment	Not For Replication
1 No identity column defined.	NULL	NULL	NULL

6. Show all the tables from the database

QUERY:

SELECT * FROM SYSOBJECTS WHERE xtype='U';

OUTPUT:



The screenshot shows the Azure Data Studio interface. The top bar indicates the active query is 'SQLQuery_1 - localhost:T10_TRAVEL (Integrated)'. The query editor contains the following SQL statement:

```
1 SELECT * FROM SYSOBJECTS WHERE xtype='U';
2
```

The 'Results' tab is active, displaying a table with 16 rows and 13 columns. The columns are: name, id, xtype, uid, info, status, base_schema_ver, replinfo, parent_obj, crdate, ftcctid, schema_ver, and s. The rows list various system tables in the T10 database.

	name	id	xtype	uid	info	status	base_schema_ver	replinfo	parent_obj	crdate	ftcctid	schema_ver	s
1	T10_customer	581577118	U	1	0	0	0	0	0	2021-02-13 13:13:36.407	0	0	
2	T10_customer5	613577224	U	1	0	0	0	0	0	2021-02-13 13:39:25.583	0	0	
3	T10_booking	645577338	U	1	0	0	0	0	0	2021-02-13 13:39:25.640	0	0	
4	T10_hotel	677577452	U	1	0	0	0	0	0	2021-02-13 13:39:25.643	0	0	
5	T10_tour	709577566	U	1	0	0	0	0	0	2021-02-13 13:39:25.653	0	0	
6	T10_package	741577680	U	1	0	0	0	0	0	2021-02-13 13:39:25.670	0	0	
7	T10_transportation	773577794	U	1	0	0	0	0	0	2021-02-13 13:39:25.720	0	0	
8	T10_customerdetails	1093578934	U	1	0	0	0	0	0	2021-02-13 14:12:57.183	0	0	
9	T10_travelldb	1141579105	U	1	0	0	0	0	0	2021-02-13 14:16:38.313	0	0	
10	T10_traveldatabase	1205579333	U	1	0	0	0	0	0	2021-02-13 14:17:05.430	0	0	
11	T10_customerdetailsNEW	1237579447	U	1	0	0	0	0	0	2021-02-13 14:17:05.440	0	0	
12	T10_bookingdetails	1269579561	U	1	0	0	0	0	0	2021-02-13 14:17:05.447	0	0	
13	T10_hoteldetails	1301579675	U	1	0	0	0	0	0	2021-02-13 14:17:05.457	0	0	
14	T10_tourdetails	1333579789	U	1	0	0	0	0	0	2021-02-13 14:17:05.480	0	0	
15	T10_packagedetails	1365579903	U	1	0	0	0	0	0	2021-02-13 14:17:05.517	0	0	
16	T10_transportationdetails	1397580017	U	1	0	0	0	0	0	2021-02-13 14:17:05.527	0	0	

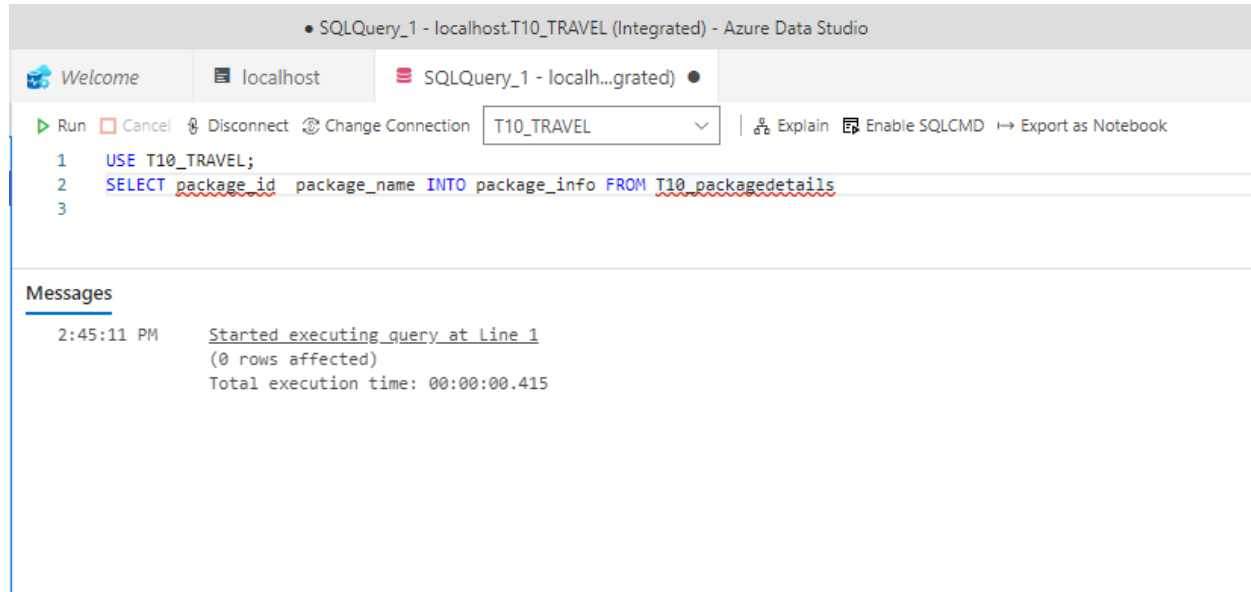
7. Create Table using Select Statement

QUERY:

USE T10_TRAVEL;

SELECT package_id package_name INTO package_info
FROM T10_packagedetails

OUTPUT:



8. Create a table which has derived attribute.

QUERY:

CREATE TABLE NEW_DETAILS

(

First_Name VARCHAR(40) NOT NULL,

Last_Name VARCHAR(40) NOT NULL,

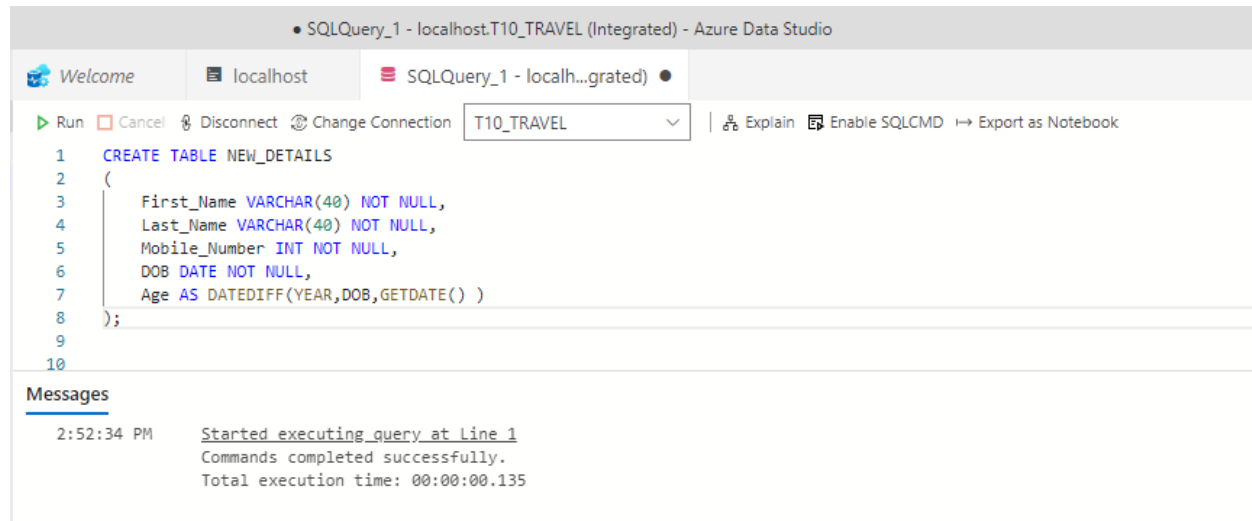
Mobile_Number INT NOT NULL,

DOB DATE NOT NULL,

Age AS DATEDIFF(YEAR,DOB,GETDATE())

);

OUTPUT:



The screenshot displays the Azure Data Studio interface. The top bar shows the connection 'localhost' and the active query 'SQLQuery_1 - localhost...grated'. The main editor contains a SQL script to create a table named 'NEW_DETAILS'. The script defines columns for 'First_Name' (VARCHAR(40)), 'Last_Name' (VARCHAR(40)), 'Mobile_Number' (INT), 'DOB' (DATE), and 'Age' (calculated using DATEDIFF). The 'Run' button is highlighted. Below the editor, the 'Messages' pane shows a log entry indicating the query was executed successfully at 2:52:34 PM, with a total execution time of 00:00:00.135.

```
1 CREATE TABLE NEW_DETAILS
2 (
3     First_Name VARCHAR(40) NOT NULL,
4     Last_Name VARCHAR(40) NOT NULL,
5     Mobile_Number INT NOT NULL,
6     DOB DATE NOT NULL,
7     Age AS DATEDIFF(YEAR, DOB, GETDATE())
8 );
9
10
```

Messages

2:52:34 PM Started executing query at Line 1
Commands completed successfully.
Total execution time: 00:00:00.135