

Hands-on Practice

I completed and submitted Homework.

Self-Learning

I completed Agile, Jira & Confluence.

SQL basics as from shared resources in the group – In Progress

Certification:

I started going through the pdf document of DP-900.

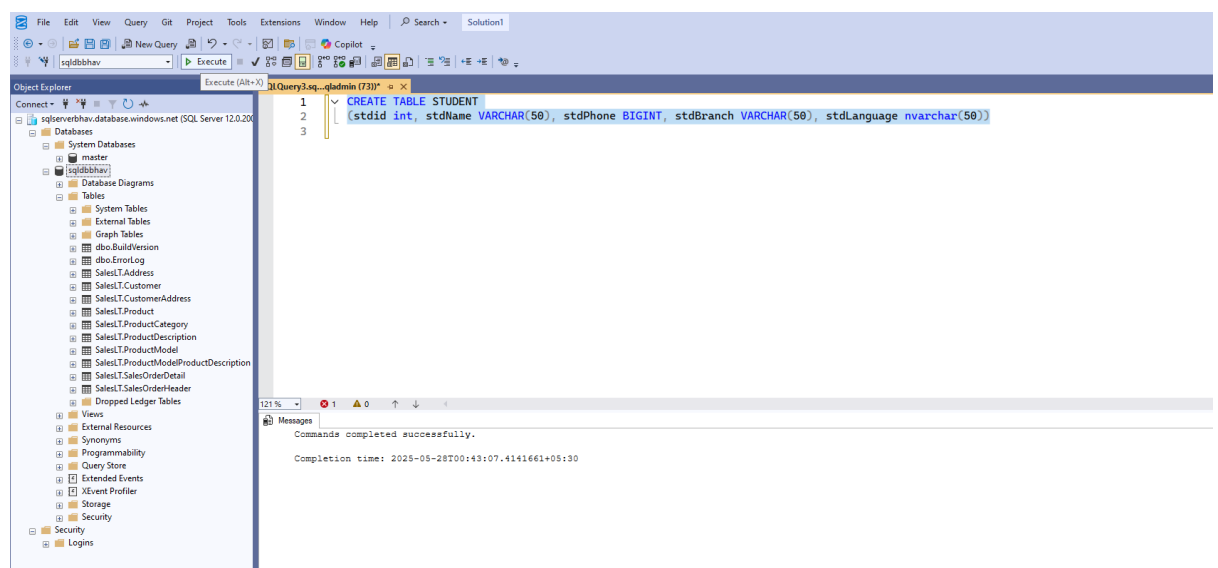
EOD Updates:

I have done homework as given and started reading the DP-900 question for certificate preparation, also revised the topics Working on to complete the Weekend Project which is assigned.

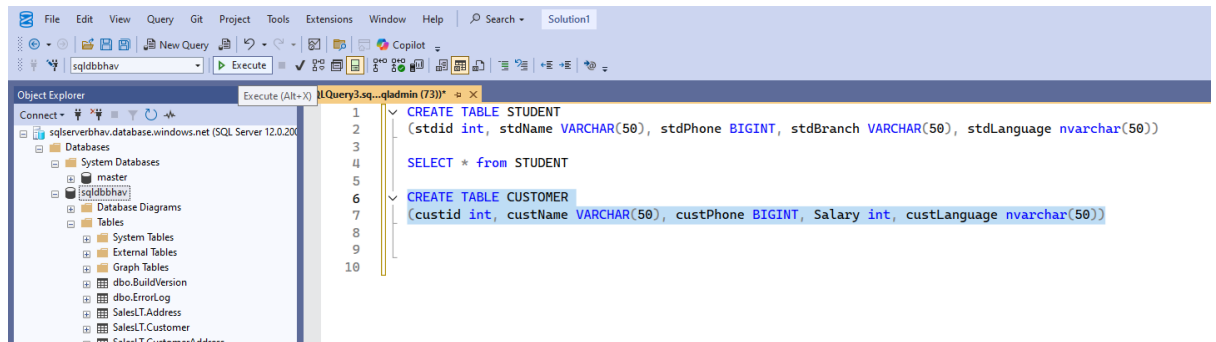
Homework | Cycle 29 | Session 10

- Create five tables in a database.
- Insert data into each of the five tables.
- Update one record in each table.
- Create a stored procedure to perform a defined operation.

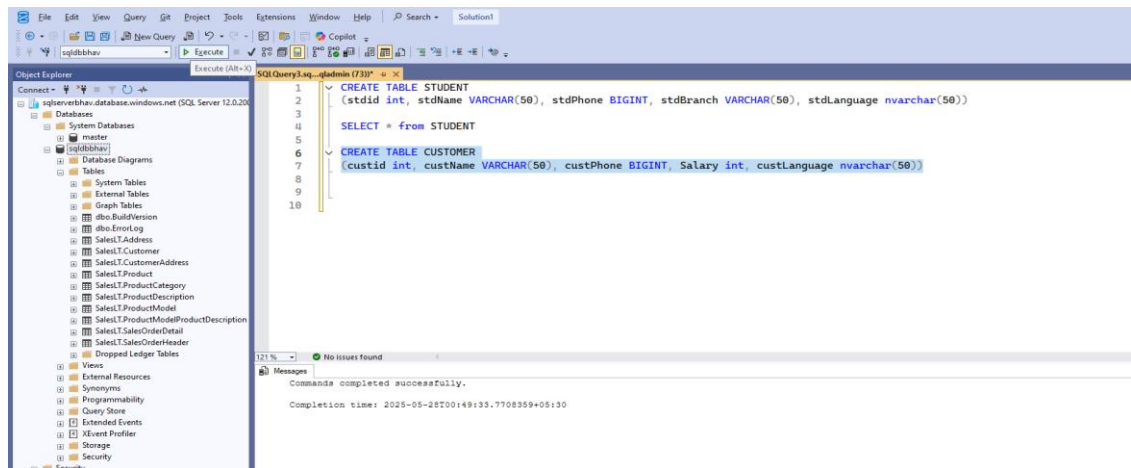
- ❖ Create five tables in a database.
- ❖ Please use the below queries to create a table in database



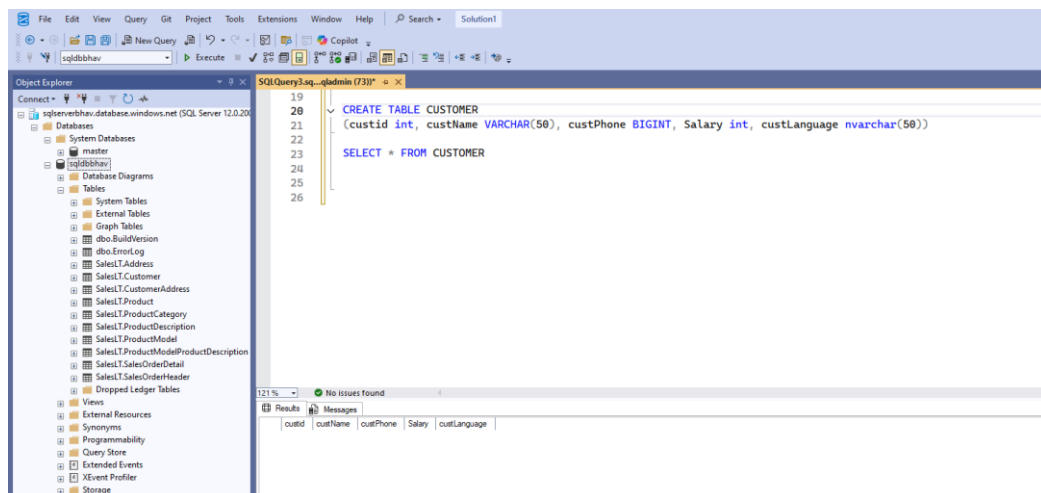
Student table is created with required columns



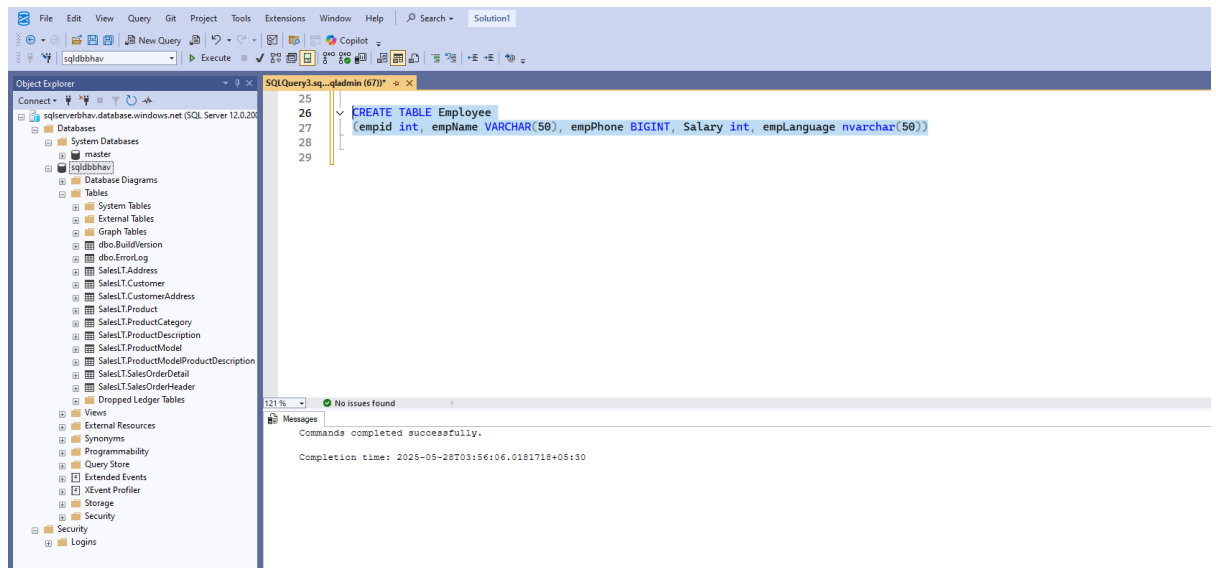
Create Customer table



Using select query check the craeted table as below



Employee table



Managers table

SQL Query3.sq...qladmin (67)/*

```
35 CREATE TABLE MANAGERS
36 (
37     mngId int, mngName VARCHAR(50), Dept VARCHAR(20), Salary int, mngPhone BIGINT, mngLanguage nvarchar(50))
38
```

Messages

Commands completed successfully.

Completion time: 2025-05-28T04:05:14.3742117+05:30

Object Explorer

Connect

- Indexes
- Statistics
- dbo.CUSTOMER
 - Columns
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.Employee
- dbo.ErrorLog
- dbo.MANAGERS
 - Columns
 - mngId (int, null)
 - mngName (varchar(50), null)
 - Dept (varchar(20), null)
 - Salary (int, null)
 - mngPhone (bigint, null)
 - mngLanguage (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
- dbo.STUDENT
- SalesLT.Address
- SalesLT.Customer
- SalesLT.CustomerAddress
- SalesLT.Product
- SalesLT.ProductCategory

SQL Query3.sq...qladmin (67)/*

```
37
38 SELECT * FROM MANAGERS
39
40
41
42
```

Results

mngId	mngName	Dept	Salary	mngPhone	mngLanguage
-------	---------	------	--------	----------	-------------

Business table

SQL Query3.sql...qladmin (671)*

```
39 CREATE TABLE BusinessDEPT
40 (
41     b_empid int, b_empName VARCHAR(50), b_empPhone BIGINT, b_salary int, b_empLanguage nvarchar(50))
42
43
```

121% 1 0

Messages

Commands completed successfully.

Completion time: 2025-05-28T04:17:21.6954213+05:30

SQL Query3.sql...qladmin (671)*

```
42 SELECT * FROM BusinessDEPT
43
44
45
```

121% 1 0

Results Messages

b_empid	b_empName	b_empPhone	b_salary	b_empLanguage
---------	-----------	------------	----------	---------------

INSERT DATA INTO TABLES

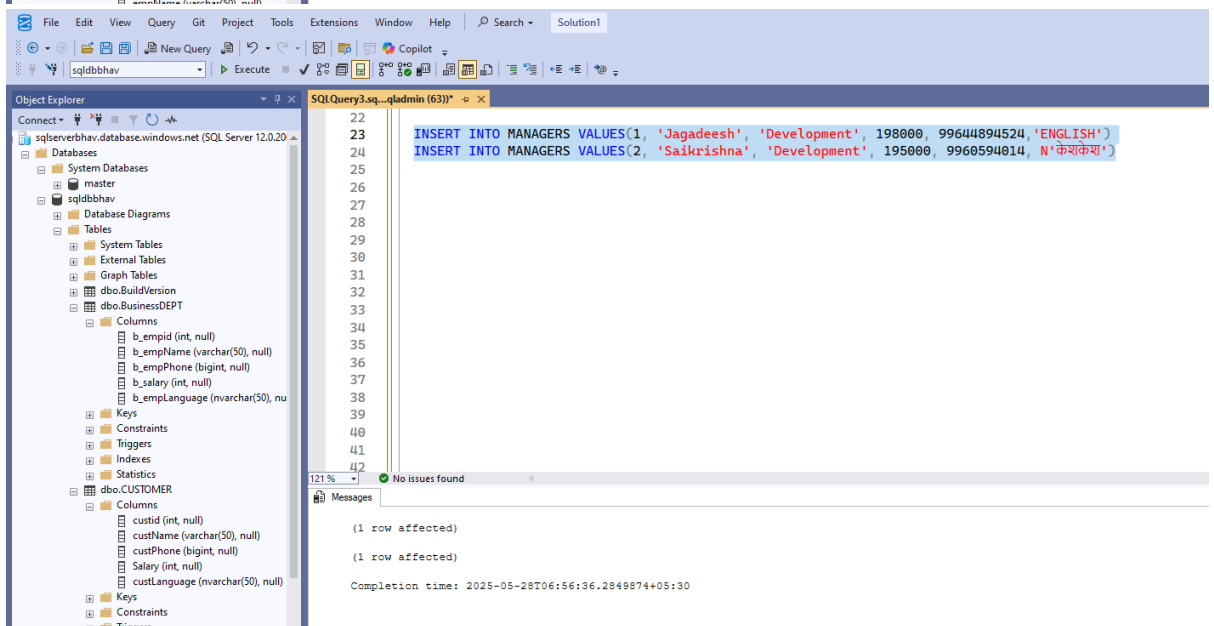
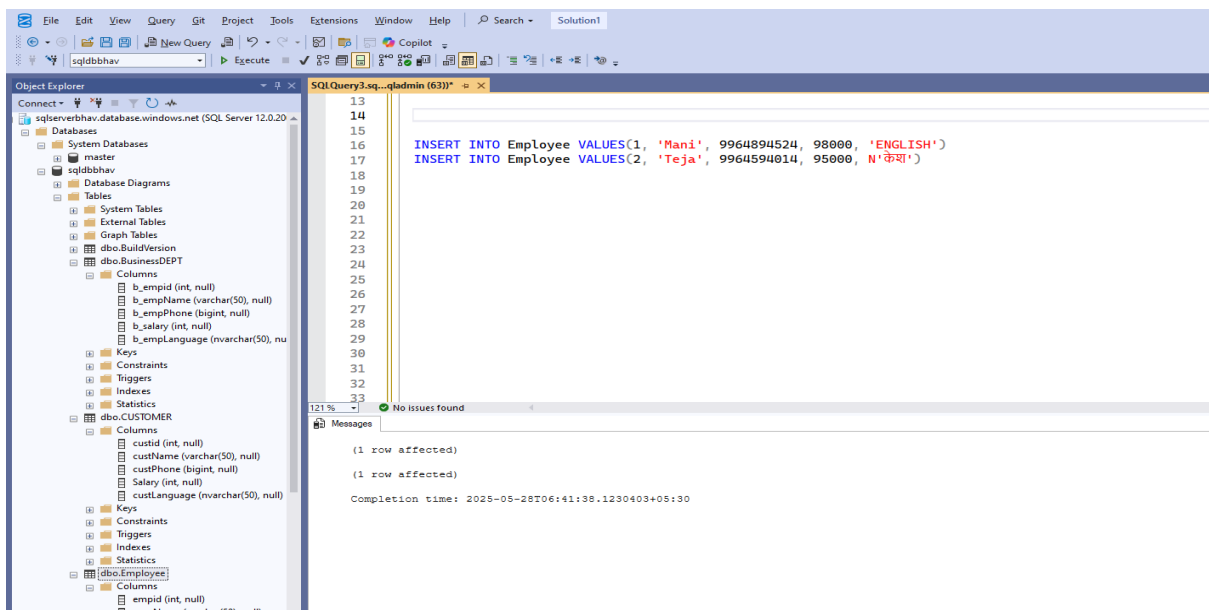
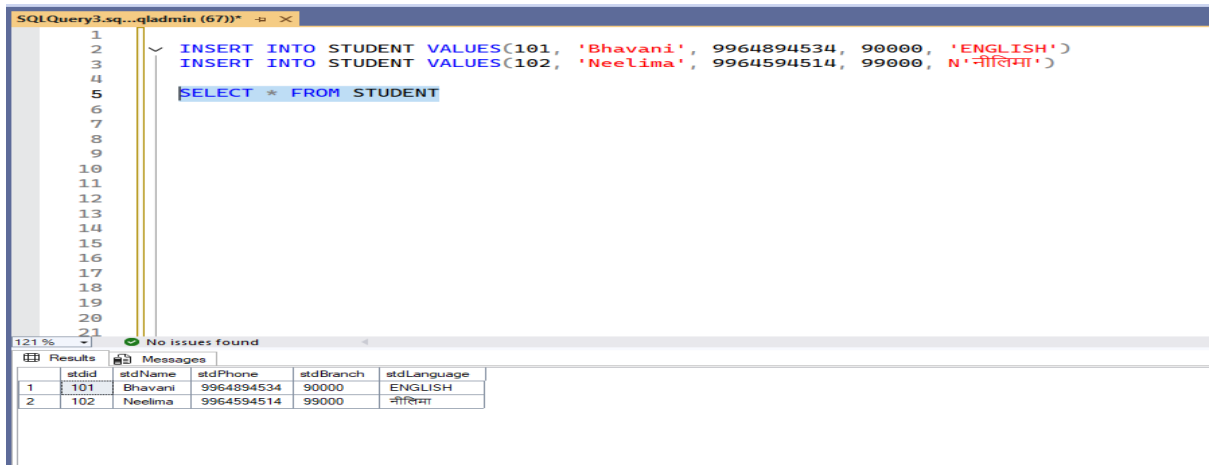
SQL Query3.sql...qladmin (671)*

```
10
11 SELECT * FROM CUSTOMER
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
```

121% 0 No issues found

Results Messages

custid	custName	custPhone	Salary	custLanguage	
1	201	Sa	9964894524	90000	ENGLISH
2	202	Lokesh	9964594014	99000	मराठी



Object Explorer: Connect to sqlserverbhav.database.windows.net (SQL Server 12.0.20). Databases: System Databases, master, sqlserverbhav, Database Diagrams, Tables, System Tables, External Tables, Graph Tables, dbo.BuildVersion, dbo.BusinessDEPT (Columns: b_empid (int, null), b_empName (varchar(50), null), b_empPhone (bigint, null), b_salary (int, null), b_empLanguage (nvarchar(50), null), Keys, Constraints, Triggers, Indexes, Statistics), dbo.CUSTOMER (Columns: custid (int, null), custName (varchar(50), null), custPhone (bigint, null), Salary (int, null), custLanguage (nvarchar(50), null), Keys, Constraints, Triggers, Indexes, Statistics), dbo.Employee (Columns: empid (int, null), empName (varchar(50), null), empPhone (bigint, null), Salary (int, null), Keys, Constraints, Triggers, Indexes, Statistics).

SQL Query3.sql - sqladmin (63):

```
24
25
26
27 SELECT * FROM MANAGERS
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
```

Results:

	mgrId	mgrName	Dept	Salary	mgrPhone	mgrLanguage
1	1	Jagadeesh	Development	198000	99644894524	ENGLISH
2	2	Sakshina	Development	195000	9960594014	भारतीय

Object Explorer: Connect to sqlserverbhav.database.windows.net (SQL Server 12.0.20). Databases: System Databases, master, sqlserverbhav, Database Diagrams, Tables, System Tables, External Tables, Graph Tables, dbo.BuildVersion, dbo.BusinessDEPT (Columns: b_empid (int, null), b_empName (varchar(50), null), b_empPhone (bigint, null), b_salary (int, null), b_empLanguage (nvarchar(50), null), Keys, Constraints, Triggers, Indexes, Statistics), dbo.CUSTOMER (Columns: custid (int, null), custName (varchar(50), null), custPhone (bigint, null), Salary (int, null), custLanguage (nvarchar(50), null), Keys, Constraints, Triggers, Indexes, Statistics), dbo.Employee (Columns: empid (int, null), empName (varchar(50), null), empPhone (bigint, null), Salary (int, null), Keys, Constraints, Triggers, Indexes, Statistics).

SQL Query3.sql - sqladmin (63):

```
28 INSERT INTO BusinessDEPT VALUES(1, 'Sowji', 99644694524, 60000, 'ENGLISH')
29 INSERT INTO BusinessDEPT VALUES(2, 'Krish', 99644694524, 60000, 'ENGLISH')
30
31 SELECT * FROM BusinessDEPT
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
```

Results:

	b_empid	b_empName	b_empPhone	b_salary	b_empLanguage
1	1	Sowji	99644694524	60000	ENGLISH
2	2	Krish	99644694524	60000	ENGLISH

❖ Update one record in each table.

SQL Server Enterprise Edition (64-bit) | SQL Server 12.0.1702.1 | SQL Server 12.0.1702.1

File Edit View Query Git Project Tools Extensions Window Help | Search | Solution1

Connect | sqlserverbhav.database.windows.net (SQL Server 12.0) | sqlserverbhav

Object Explorer

- Databases
 - System Databases
 - msdb
 - model
 - tempdb
 - sqlserverbhav
 - Database Diagrams
 - Tables
 - System Tables
 - External Tables
 - Graph Tables
 - dbo.BuildVersion
 - dbo.BusinessDEPT
 - dbo.CUSTOMER
 - Columns
 - custid (int, null)
 - custName (varchar(50), null)
 - custPhone (bigint, null)
 - Salary (int, null)
 - custLanguage (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - dbo.Employee
 - dbo.ErrorLog
 - dbo.MANAGERS
 - dbo.SALESDEPT
 - dbo.STUDENT
 - SalesLT.Address
 - SalesLT.Customer
 - SalesLT.CustomerAddress
 - SalesLT.Product

SQLQuery1.sql...qladmin (780)*

```
1
2
3 SELECT* FROM CUSTOMER
4
5 UPDATE CUSTOMER
6 SET Salary= 30000
7 WHERE custid=202
```

121% | No issues found

Messages

(1 row affected)

Completion time: 2025-05-29T03:37:52.0052862+05:30

SQL Server Enterprise Edition (64-bit) - Solution1

File Edit View Query Git Project Tools Extensions Window Help Search

sqlserverbhav.database.windows.net (SQL Server 12.0)

Object Explorer

- Databases
 - System Databases
 - sqlserverbhav
 - Database Diagrams
 - Tables
 - System Tables
 - External Tables
 - Graph Tables
 - dbo.BuildVersion
 - dbo.BusinessDEPT
 - dbo.CUSTOMER
 - Columns
 - custid (int, null)
 - custName (varchar(50), null)
 - custPhone (bigint, null)
 - Salary (int, null)
 - custLanguage (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - dbo.Employee
 - dbo.ErrorLog
 - dbo.MANAGERS
 - dbo.SALESDEPT
 - dbo.STUDENT
 - SalesLT.Address
 - SalesLT.Customer
 - SalesLT.CustomerAddress
 - SalesLT.Product

SQLQuery1.sql...qladmin (78)*

```
1
2
3
4
5  --UPDATE CUSTOMER
6  --SET Salary= 30000
7  --WHERE custid=202
8
9  SELECT* FROM CUSTOMER
```

121 % No issues found

Results Messages

	custid	custName	custPhone	Salary	custLanguage
1	201	Sai	9964894524	90000	ENGLISH
2	202	Lokesh	9964594014	30000	लोकेश

SQL Server Enterprise Edition (64-bit) - Solution1

File Edit View Query Git Project Tools Extensions Window Help Search

sqlserverbhav.database.windows.net (SQL Server 12.0)

Object Explorer

- Databases
 - System Databases
 - sqlserverbhav
 - Database Diagrams
 - Tables
 - System Tables
 - External Tables
 - Graph Tables
 - dbo.BuildVersion
 - dbo.BusinessDEPT
 - dbo.CUSTOMER
 - Columns
 - custid (int, null)
 - custName (varchar(50), null)
 - custPhone (bigint, null)
 - Salary (int, null)
 - custLanguage (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - dbo.Employee
 - dbo.ErrorLog
 - dbo.MANAGERS
 - dbo.SALESDEPT
 - dbo.STUDENT
 - SalesLT.Address
 - SalesLT.Customer
 - SalesLT.CustomerAddress
 - SalesLT.Product

SQLQuery1.sql...qladmin (78)*

```
1
2
3
4
5  --UPDATE CUSTOMER
6  --SET Salary= 30000
7  --WHERE custid=202
8
9  SELECT* FROM CUSTOMER
10
11 BEGIN TRAN
12 UPDATE CUSTOMER
13 SET custName= 'Bhavani'
14 WHERE custid=202
```

121 % No issues found

Results Messages

	custid	custName	custPhone	Salary	custLanguage
1	201	Sai	9964894524	90000	ENGLISH
2	202	Bhavani	9964594014	30000	लोकेश

SQL Server Enterprise Edition (64-bit) - SQL Query Editor

File Edit View Query Git Project Tools Extensions Window Help Search Solution1

sqlserverbhav.database.windows.net (SQL Server 12.0)

Object Explorer

- sqlserverbhav.database.windows.net (SQL Server 12.0)
 - Databases
 - System Databases
 - msdb
 - model
 - tempdb
 - sqlserverbhav
 - Database Diagrams
 - Tables
 - System Tables
 - External Tables
 - Graph Tables
 - dbo.BuildVersion
 - dbo.BusinessDEPT
 - dbo.CUSTOMER
 - Columns
 - custid (int, null)
 - custName (varchar(50), null)
 - custPhone (bigint, null)
 - Salary (int, null)
 - custLanguage (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - dbo.Employee
 - dbo.ErrorLog
 - dbo.MANAGERS
 - dbo.SALESDEPT
 - dbo.STUDENT
 - SalesLT.Address

SQLQuery1.sql...qladmin (78)*

```
1
2
3
4
5 --UPDATE CUSTOMER
6 --SET Salary= 30000
7 --WHERE custid=202
8
9 SELECT* FROM CUSTOMER
10
11 BEGIN TRAN
12 UPDATE CUSTOMER
13 SET custName= 'Lokesh'
14 WHERE custid=202
15
16 COMMIT TRAN
17
```

Results Messages

	custid	custName	custPhone	Salary	custLanguage
1	201	Sai	9964894524	90000	ENGLISH
2	202	Lokesh	9964594014	30000	लोकेश

SQL Server Enterprise Edition (64-bit) - SQL Query Editor

File Edit View Query Git Project Tools Extensions Window Help Search Solution1

sqlserverbhav.database.windows.net (SQL Server 12.0)

Object Explorer

- sqlserverbhav.database.windows.net (SQL Server 12.0)
 - Databases
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 - tempdb
 - sqlserverbhav
 - Database Diagrams
 - Tables
 - System Tables
 - External Tables
 - Graph Tables
 - dbo.BuildVersion
 - dbo.BusinessDEPT
 - dbo.CUSTOMER
 - Columns
 - custid (int, null)
 - custName (varchar(50), null)
 - custPhone (bigint, null)
 - Salary (int, null)
 - custLanguage (nvarchar(50), null)
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - dbo.Employee
 - dbo.ErrorLog
 - dbo.MANAGERS
 - dbo.SALESDEPT
 - dbo.STUDENT
 - SalesLT.Address
 - SalesLT.Customer
 - SalesLT.CustomerAddress
 - SalesLT.Product
 - SalesLT.ProductCategory
 - SalesLT.ProductDescription
 - SalesLT.ProductModel

SQLQuery1.sql...qladmin (78)*

```
10
11 --BEGIN TRAN
12 --UPDATE CUSTOMER
13 --SET custName= 'Lokesh'
14 --WHERE custid=202
15
16 --commit tran
17
18
19 CREATE VIEW CUST_ENGLISH
20 AS
21 SELECT * FROM CUSTOMER WHERE custLanguage='ENGLISH'
22
23 SELECT * FROM CUST_ENGLISH
24
```

Results Messages

	custid	custName	custPhone	Salary	custLanguage
1	201	Sai	9964894524	90000	ENGLISH

- ❖ Create a stored procedure to perform a defined operation.

The image displays two screenshots of the SQL Server Enterprise Manager interface, illustrating the creation and execution of a stored procedure.

Top Screenshot: The SQL Query window shows the following T-SQL code:

```
26 AS
27 SELECT * FROM CUSTOMER WHERE SALARY>2000
28
29 EXEC CUSTSAL
30
31
32 ALTER PROC CUSTSAL
33 @SAL int
34 AS
35 SELECT * FROM CUSTOMER WHERE SALARY>@SAL
36
37 EXEC CUSTSAL 40000
38
```

The Results window shows the output of the first query:

custid	custName	custPhone	Salary	custLanguage	
1	201	Sai	9964894524	90000	ENGLISH

Bottom Screenshot: The SQL Query window shows the following T-SQL code:

```
11 --BEGIN TRAN
12 --UPDATE CUSTOMER
13 --SET custName= 'Lokesh'
14 --WHERE custid=202
15
16 --commit tran
17
18
19 --CREATE VIEW CUST_ENGLISH
20 --AS
21 --SELECT * FROM CUSTOMER WHERE custLanguage='ENGLISH'
22
23 --SELECT * FROM CUST_ENGLISH
24
25 CREATE PROC CUSTSAL
26 AS
27 SELECT * FROM CUSTOMER WHERE SALARY>2000
28
29 EXEC CUSTSAL
30
31
```

The Results window shows the output of the second query:

custid	custName	custPhone	Salary	custLanguage	
1	201	Sai	9964894524	90000	ENGLISH
2	202	Lokesh	9964594014	30000	लोकेश