

Team: Bravo

1. CostReport

Create Table Statement:

```
CREATE TABLE CostReport(  
ReportID CHAR(10) NOT NULL,  
TotalDirectCost FLOAT,  
TotalIndirectCost FLOAT,  
CostDate DATE,  
CONSTRAINT pk_CostReport PRIMARY KEY(ReportID))
```

```
exec sp_help CostReport  
select * from CostReport
```

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Databases' folder expanded, showing the 'Phase2' database. The right pane shows the 'SQL Query2.sql' window with the following SQL code:

```
SELECT * FROM CostReport  
EXEC SP_HELP CostReport  
SELECT * FROM BillingsAgency
```

The 'Results' pane shows the output of the first query, displaying three rows of data from the 'CostReport' table:

ReportID	TotalDirectCost	TotalIndirectCost	CostDate
1	230.45	52354.55	2024-12-25
2	6739.99	20	2023-09-17
3	7600	20978.98	2023-01-03

The 'Messages' pane shows the output of the 'EXEC SP_HELP CostReport' command, displaying the table structure and constraints for the 'CostReport' table:

Name	Owner	Type	Created_date/time
CostReport	dbo	user table	2024-03-08 14:08:34.653

The 'Columns' section shows the following details:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ReportID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
TotalDirectCost	float	no	8	53		NULL yes	(n/a)	(n/a)	NULL
TotalIndirectCost	float	no	8	53		NULL yes	(n/a)	(n/a)	NULL
CostDate	date	no	3	10	0	yes	(n/a)	(n/a)	NULL

The 'Identify' section shows the following details:

Identify	Seed	Increment	Not For Replication
No identity column defined.	NULL	NULL	NULL

The 'RowGuidCol' section shows the following details:

RowGuidCol
No rowguidcol column defined.

The 'Data located on filegroup' section shows the following details:

Data located on filegroup
PRIMARY

The 'Index' section shows the following details:

Index_name	Index_description	Index_keys
pk_CostReport	clustered, unique, primary key located on PRIMARY	ReportID

The 'constraint' section shows the following details:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
PRIMARY KEY (clustered)	pk_CostReport	(n/a)	(n/a)	(n/a)	(n/a)	ReportID

The status bar at the bottom indicates: 'Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:00 13 rows

Create Table Statement:

2. Billing Agency

```
CREATE TABLE BillingAgency(  
AgencyID CHAR(10) NOT NULL,  
AgencyName VARCHAR(50),  
CONSTRAINT pk_BillingAgency PRIMARY KEY(AgencyID))
```

```
exec sp_help Billing Agency  
select * from Billing Agency
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL code:

```
SELECT * FROM BillingAgency  
EXEC SP_HELP BillingAgency
```

The Results pane shows the data returned by the query, which consists of three rows:

AgencyID	AgencyName
1	Money Inc.
2	Mr. Krabs Financial
3	Bills Bills Bills

The Messages pane shows the output of the SP_HELP command, providing details about the BillingAgency table structure, including columns, constraints, and indexes.

Name	Owner	Type	Created_datetime
BillingAgency	dbo	user table	2024-03-08 14:08:34.660

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
AgencyID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
AgencyName	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

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

RowGuidCol
No rowguidcol column defined.

Data_located_on	filegroup
PRIMARY	

index_name	index_description	index_keys
pk_BillingAgency	clustered, unique, primary key located on PRIMARY	AgencyID

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
PRIMARY KEY (clustered)	pk_BillingAgency	(n/a)	(n/a)	(n/a)	(n/a)	AgencyID

Table is referenced by foreign key

Table is referenced by foreign key
Phase2.dbo.Contracts: fk_Contracts_Agency

Query executed successfully.

3. Payment Types

Create Table Statement:

```
CREATE TABLE PaymentTypes(
PaymentTypeID CHAR(10) NOT NULL,
TypeName VARCHAR(50),
InsuranceCompany VARCHAR(20),
ContractDuration INT,
CONSTRAINT pk_PaymentTypes PRIMARY KEY(PaymentTypeID))
```

exec sp_help Payment Types
select * from Payment Types

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The query editor shows the command `EXEC SP_HELP PaymentTypes` executed. The results pane displays the following information:

PaymentTypeID	TypeName	InsuranceCompany	ContractDuration
1	Insurance	USAA	12
2	Insurance	Geico	3
3	Insurance	Progressive	60

Below the table, the 'sp_help' output provides detailed metadata for the 'PaymentTypes' table, including column definitions, constraints, and indexes.

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
PaymentTypeID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
TypeName	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
InsuranceCompany	varchar	no	20			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
ContractDuration	int	no	4	10	0	yes	(n/a)	(n/a)	NULL

The status bar at the bottom indicates: "Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 : 00:00:00 14 rows".

4. StaffTypes

```
CREATE TABLE StaffTypes(
```

Create Table Statement:

StaffTypeID CHAR(10) NOT NULL,
Position VARCHAR(50), isDirect
BIT,
JobDescription VARCHAR(225),
CONSTRAINT pk_StaffTypes PRIMARY KEY(StaffTypeID))

exec sp_help StaffTypes
select * from StaffTypes

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the Object Explorer with the database structure. The right pane shows the SQL Query window with the following queries:

```
SELECT * FROM StaffTypes
EXEC SP_HELP StaffTypes
```

The Results pane displays the data for the StaffTypes table:

StaffTypeID	Position	isDirect	JobDescription
1	Manager	0	Manage people
2	Secretary	0	Take calls
3	Nurse	1	Help people

The Messages pane shows the table structure details:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
StaffTypeID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
Position	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
isDirect	bit	no	1			yes	(n/a)	(n/a)	NULL
JobDescription	varchar	no	225			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

The Messages pane also shows the table's identity, rowguidcol, data, located_on_filegroup, index, and constraint information.

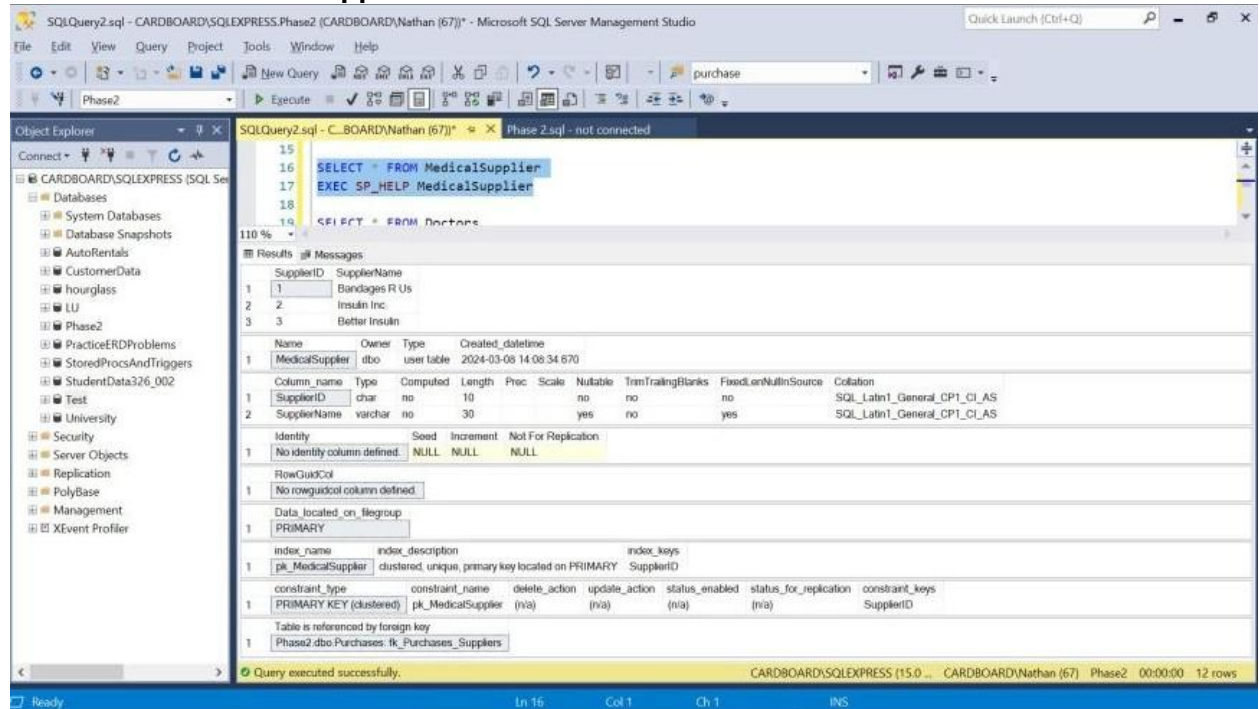
5. MedicalSuppliers

Create Table Statement:

CREATE TABLE MedicalSupplier(
SupplierID CHAR(10) NOT NULL,
SupplierName VARCHAR(30),

CONSTRAINT pk_MedicalSupplier PRIMARY KEY(SupplierID))

exec sp_help MedicalSuppliers
select * from MedicalSuppliers



6. Doctors

CREATE TABLE Doctors(
DoctorID CHAR(10) NOT NULL,
Email VARCHAR(20),
Phone CHAR(10),
Specialty VARCHAR(20),
FirstName VARCHAR(50),

Create Table Statement:

LastName VARCHAR(50),
CONSTRAINT pk_Doctors PRIMARY KEY (DoctorID))

exec sp_help Doctors
select * from Doctors

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Doctors' table selected under the 'Phase2' database. The right pane shows the 'Query Results' window with the following data:

DoctorID	Email	Phone	Specialty	FirstName	LastName
1	louis@doctor.com	brain	Louis	Kim	1234567890
2	billy@doctor.com	toes	Billy	Bob	0987654321
3	jerry@doctor.com	funny bone	Jerry	Seinfeld	1111111111

Below the query results, the 'Messages' window shows the 'sp_help' output for the 'Doctors' table, including column details, identity settings, and index information.

Column_name	Type	Computed	Length	Proc	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
DoctorID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
Email	varchar	no	20			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
Phone	char	no	10			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
Specialty	varchar	no	20			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
FirstName	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
LastName	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

The status bar at the bottom indicates that the query was executed successfully, returning 16 rows.

Create Table Statement:

7. Patients

```
CREATE TABLE Patients(  
PatientID CHAR(10) NOT NULL,  
FirstName VARCHAR(50),  
LastName VARCHAR(50),  
AddressLine1 VARCHAR(50),  
AddressLine2 VARCHAR(50),  
City VARCHAR(20),  
State_Abbr CHAR(2),  
Zipcode CHAR(10)  
CONSTRAINT pk_Patient PRIMARY KEY (PatientID))
```

```
exec sp_help Patients  
select * from Patients
```

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Patients' table selected under the 'Phase2' database. The right pane shows the 'Query Results' window with the following data:

PatientID	FirstName	LastName	AddressLine1	AddressLine2	City	State_Abbr	Zipcode
1	Juan	Pablo	5678 New Street	NULL	Forest	VA	24551
2	Mike	Tyson	22 Jump Street	Apt 420	Seattle	WA	98101
3	Gary	Smith	190 Pumpkin Dr	NULL	Dallas	TX	75001

Below the data, the 'Messages' pane shows the table structure details:

Column_name	Type	Computed	Length	Proc	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
PatientID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
FirstName	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
LastName	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
AddressLine1	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
AddressLine2	varchar	no	50			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
City	varchar	no	20			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
State_Abbr	char	no	2			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
Zipcode	char	no	10			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

The bottom status bar indicates 'Query executed successfully.' and '18 rows'.

Create Table Statement:

8. Referrals

```
CREATE TABLE Referrals(  
ReferralID CHAR(10) NOT NULL,  
StartDate DATE,  
EndDate DATE,  
Referral_Desc VARCHAR(100),  
DoctorID CHAR(10) NOT NULL,  
PatientID CHAR(10) NOT NULL,  
CONSTRAINT pk_Referrals PRIMARY KEY(ReferralID),  
CONSTRAINT fk_Referrals_Doctors FOREIGN KEY(DoctorID) REFERENCES  
Doctors(DoctorID),  
CONSTRAINT fk_Referrals_Patients FOREIGN KEY(PatientID) REFERENCES  
Patients(PatientID))
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL code:

```
23 EXEC SP_HELP Patients  
24  
25 SELECT * FROM Referrals  
26 EXEC SP_HELP Referrals  
27
```

The Results pane shows the output of the query, displaying the structure of the 'Referrals' table. The table has the following columns:

ReferralID	StartDate	EndDate	Referral_Desc	DoctorID	PatientID
1	2022-09-14	2027-11-08	Juan Pablo can't walk and has diabetes	2	1
2	2020-05-20	2030-09-23	Mike Tyson wets the bed	3	2
3	2017-02-18	2020-05-19	Garry Smith has dementia	1	3

The table structure details are as follows:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ReferralID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
StartDate	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
EndDate	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
Referral_Desc	varchar	no	100			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
DoctorID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
PatientID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

The table is named 'Referrals' and is located in the 'dbo' schema. It is a user table created on 2024-03-08 14:08:34.683. The table has a primary key on 'ReferralID'.

The status bar at the bottom indicates: Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:01 20 rows


```
exec sp_help Referrals  
select * from Referrals
```

Create Table Statement:

9. EquipmentCreate Table Statement:

```
CREATE TABLE Equipment(  
EquipmentID CHAR(10) NOT NULL,  
EqFunction VARCHAR(100),  
isDirect BIT,  
EquipName VARCHAR(10)  
CONSTRAINT pk_Equipment PRIMARY KEY(EquipmentID))
```

```
exec sp_help Equipment  
select * from Equipment
```

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The 'Object Explorer' on the left shows the database structure, including 'Databases', 'System Databases', 'Database Snapshots', 'AutoRentals', 'CustomerData', 'hourglass', 'LU', 'Phase2', 'PracticeERDProblems', 'StoredProcsAndTriggers', 'StudentData326_002', 'Test', 'University', 'Security', 'Server Objects', 'Replication', 'PolyBase', 'Management', and 'XEEvent Profiler'. The 'SQLQuery2.sql' window shows the following SQL code:

```
27  
28 SELECT * FROM Equipment  
29 EXEC SP_HELP Equipment  
30  
31 SELECT * FROM Purchases
```

The 'Results' pane shows the data for the 'Equipment' table:

EquipmentID	EqFunction	isDirect	EquipName
1	For wounds	1	Bandages
2	For insulin	0	Syringes
3	Insulin	0	Viats

The 'Messages' pane shows the table structure details:

Name	Owner	Type	Created_date/time
Equipment	dbo	user table	2024-03-08 14:00:34.690

The 'Columns' pane shows the column details:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
EquipmentID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
EqFunction	varchar	no	100			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
isDirect	bit	no	1			yes	(n/a)	(n/a)	NULL
EquipName	varchar	no	10			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

The 'Identity' pane shows the identity details:

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

The 'RowGuidCol' pane shows the rowguidcol details:

RowGuidCol
No rowguidcol column defined

The 'Data located on filegroup' pane shows the data location details:

Data located on filegroup
PRIMARY

The 'Index' pane shows the index details:

index_name	index_description	index_keys
pk_Equipment	clustered, unique, primary key located on PRIMARY	EquipmentID

The 'constraint_type' pane shows the constraint details:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
PRIMARY KEY (clustered)	pk_Equipment	(n/a)	(n/a)	(n/a)	(n/a)	EquipmentID

The status bar at the bottom indicates: 'Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:01 18 rows'.

Create Table Statement:

10. Purchases

Create Table Statement:

```
CREATE TABLE Purchases(  
PurchaseID CHAR(10) NOT NULL,  
PurchaseCost FLOAT,  
DatePurchased DATE,  
Quantity INT,  
IsConsumable TINYINT,  
EquipmentID CHAR(10) NOT NULL,  
SupplierID CHAR(10) NOT NULL,  
CONSTRAINT pk_Purchases PRIMARY KEY (PurchaseID, EquipmentID, SupplierID),  
CONSTRAINT fk_Purchases_Equipments FOREIGN KEY(EquipmentID)  
REFERENCES Equipment(EquipmentID),  
CONSTRAINT fk_Purchases_Suppliers FOREIGN KEY(SupplierID) REFERENCES  
MedicalSupplier(SupplierID))
```

```
exec sp_help Purchases  
select * from Purchases
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the command `EXEC SP_HELP Purchases`. The results pane shows the table structure and data for the `Purchases` table.

PurchaseID	PurchaseCost	DatePurchased	Quantity	IsConsumable	EquipmentID	SupplierID
1	230.45	2024-12-25	96	1	1	1
2	6799.99	2023-09-17	42	1	2	3
3	7699	2023-01-03	7000	1	3	2

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
PurchaseID	char	no	10			no	no		SQL_Latin1_General_CP1_CI_AS
PurchaseCost	float	no	8	53	NULL	yes	(n/a)	(n/a)	NULL
DatePurchased	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
Quantity	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
IsConsumable	bit	no	1			yes	(n/a)	(n/a)	NULL
EquipmentID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
SupplierID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGUIDCol
No rowguidcol column defined.

Data_located_on_filegroup
PRIMARY

Index_name	Index_description	Index_keys
pk_Purchases	clustered, unique, primary key located on PRIMARY	PurchaseID, EquipmentID, SupplierID

Query executed successfully.

11. Staff

```

CREATE TABLE Staff(
StaffID CHAR(10) NOT NULL,
FirstName VARCHAR(30),
LastName VARCHAR(30),
SkillLevel INT,
StandardRate FLOAT,
Salary FLOAT,
HourlyPay FLOAT,
AddressLine1 VARCHAR(100),
AddressLine2 VARCHAR(100),
City VARCHAR(10),
State_Abbr CHAR(2),
ZipCode CHAR(10),
IsFullTime BIT,
FICA_WithHolding FLOAT,
Amount_401K FLOAT,
InsurancePremium FLOAT,
CONSTRAINT pk_Staff PRIMARY KEY(StaffID))

```

```

exec sp_help Staff
select * from Staff

```

12. Schedules

Create Table Statement:

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Staff' table selected under the 'Phase2' database. The right pane shows the 'Query Results' window with the following data:

StaffID	FirstName	LastName	SkillLevel	StandardRate	Salary	HourlyPay	AddressLine1	AddressLine2	City	State_Abbr	ZipCode	IsFullTime	FICA_WithHolding	Amount_401K
1	Marissa	Rennell	3	25	NULL	25	1234 Anywhere Street	NULL	Somewhere	VA	12345	0	100	2000
2	Eleanor	Ryder	8	NULL	75000	NULL	5678 Nowhere Blvd	NULL	Somewhere	VA	12345	1	150	6000
3	Alma	Garland	4	28	NULL	28	144 Everywhere Lane	NULL	Somewhere	VA	12345	0	134	3000

The bottom pane shows the 'Table Properties' window for the 'Staff' table, detailing the columns and their properties:

Column Name	Type	Computed	Length	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
StaffID	char	no	10		no	no	no	SQL_Latin1_General_CP1_CI_AS
FirstName	varchar	no	30		yes	no	yes	SQL_Latin1_General_CP1_CI_AS
LastName	varchar	no	30		yes	no	yes	SQL_Latin1_General_CP1_CI_AS
SkillLevel	int	no	4	0	yes	(n/a)	(n/a)	NULL
StandardRate	float	no	8	53	NULL	yes	(n/a)	NULL
Salary	float	no	8	53	NULL	yes	(n/a)	NULL
HourlyPay	float	no	8	53	NULL	yes	(n/a)	NULL
AddressLine1	varchar	no	100		yes	no	yes	SQL_Latin1_General_CP1_CI_AS

The status bar at the bottom indicates 'Query executed successfully.' and '29 rows'.

Create Table Statement:

```
CREATE TABLE Schedules(  
  StartDateTime DATE NOT NULL,  
  EndDateTime DATE,  
  StaffID CHAR(10) NOT NULL,  
  CONSTRAINT pk_Schedules PRIMARY KEY(StartDateTime, StaffID),  
  CONSTRAINT fk_Schedules_Staff FOREIGN KEY(StaffID) References Staff(StaffID))
```

```
exec sp_help Schedules  
select * from Schedules
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The query window displays the following SQL code:

```
36  
37 SELECT * FROM Schedules  
38 EXEC SP_HELP Schedules  
39  
40 SELECT * FROM PayChecks
```

The Results pane shows the output of the query, displaying the structure of the Schedules table:

Name	Owner	Type	Created_date
Schedules	dbo	user table	2024-03-08 14:08:34.707

The Messages pane shows the execution details of the query, including the table structure and constraints:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
StartDateTime	date	no	3	10	0	no	(n/a)	(n/a)	NULL
EndDateTime	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
StaffID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

The Identity pane shows the identity settings for the table:

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

The RowGuidCol pane shows the rowguidcol settings:

RowGuidCol
No rowguidcol column defined.

The Data_located_on_filegroup pane shows the data location settings:

Data_located_on_filegroup
PRIMARY

The Index pane shows the index settings:

Index_name	Index_description	Index_keys
pk_Schedules	clustered, unique, primary key located on PRIMARY	StartDateTime, StaffID

The constraint pane shows the constraint settings:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_Schedules_Staff	No Action	No Action	Enabled	Is_For_Replication	StaffID
PRIMARY KEY	pk_Schedules	(n/a)	(n/a)	(n/a)	(n/a)	StartDateTime, StaffID

The status bar at the bottom indicates that the query was executed successfully, returning 14 rows.

13. PayChecks

```
CREATE TABLE PayChecks(  
  PCDate DATE,  
  GrossPay FLOAT,  
  StaffID CHAR(10) NOT NULL,  
  CONSTRAINT pk_PayChecks PRIMARY KEY(PCDate, StaffID),  
  CONSTRAINT fk_PayChecks_Staff FOREIGN KEY(StaffID) References Staff(StaffID))
```

exec sp_help PayChecks
select * from PayChecks

SQLQuery2.sql - CARDBOARD\SQLEXPRESS.Phase2 (CARDBOARD\Nathan (67)) - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

File Edit View Query Project Tools Window Help

Phase2

SQLQuery2.sql - C:\BOARD\Nathan (67)* Phase 2.sql - not connected

```
39  
40 SELECT * FROM PayChecks  
41 EXEC SP_HELP PayChecks  
42  
43 SELECT * FROM S T
```

110 %

Results Messages

	PCDate	GrossPay	StaffID
1	2024-03-01	40000	1
2	2024-03-01	50000	2
3	2024-03-01	100000	3

Name	Owner	Type	Created_date/time
PayChecks	dbo	user table	2024-03-08 14:08:34.710

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
PCDate	date	no	3	10	0	no	(n/a)	(n/a)	NULL
GrossPay	float	no	8	53	NULL	yes	(n/a)	(n/a)	NULL
StaffID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGuarCol	
1	No rowguidcol column defined.

Data_located_on_filegroup	
1	PRIMARY

index_name	index_description	index_keys
1	pk_PayChecks clustered, unique, primary key located on PRIMARY	PCDate, StaffID

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
1	FOREIGN KEY fk_PayChecks_Staff	No Action	No Action	Enabled	Is_For_Replication	StaffID
2						REFERENCES Phase2.dbo Staff (StaffID)
3	PRIMARY KEY pk_PayChecks	(n/a)	(n/a)	(n/a)	(n/a)	PCDate, StaffID

Query executed successfully.

CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:00 14 rows

Ready Ln:40 Col:1 Ch:1 INS

Create Table Statement:

14. S_Is

```
CREATE TABLE S_Is( --Is Table
StaffID CHAR(10) NOT NULL,
StaffTypeID CHAR(10) NOT NULL,
CONSTRAINT pk_Is PRIMARY KEY (StaffID, StaffTypeID),
CONSTRAINT fk_Is_Staff FOREIGN KEY (StaffID) references Staff(StaffID),
CONSTRAINT fk_Is_StaffTypes FOREIGN KEY (StaffTypeID) references
StaffTypes(StaffTypeID))
```

SQLQuery2.sql - CARDBOARD\SQLEXPRESS.Phase2 (CARDBOARD\Nathan (67)) - Microsoft SQL Server Management Studio

Object Explorer: CARDBOARD\SQLEXPRESS (SQL Server)

Query: SQLQuery2.sql - C:\BOARD\Nathan (67) - Phase 2.sql - not connected

```
42
43 SELECT * FROM S_Is
44 EXEC SP_HELP S_Is
45
```

Results: 110 %

StaffID	StaffTypeID
1	3
2	1
3	2

Name	Owner	Type	Created_datetime
S_Is	dbo	user table	2024-03-08 14:08:34.713

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullSource	Collation
StaffID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
StaffTypeID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGuarCol	
1	No rowguarcol column defined.

Data_located_on_filegroup	
1	PRIMARY

index_name	index_description	index_keys
1	pk_Is clustered, unique, primary key located on PRIMARY	StaffID, StaffTypeID

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
1	FOREIGN KEY fk_Is_Staff	No Action	No Action	Enabled	Is_For_Replication	StaffID
2						REFERENCES Phase2.dbo.Staff (StaffID)
3	FOREIGN KEY fk_Is_StaffTyp	No Action	No Action	Enabled	Is_For_Replication	StaffTypeID
4						REFERENCES Phase2.dbo.StaffTypes (...)

Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2: 00:00:00 15 rows

Ready In: 43 Col: 1 Ch: 1 INS

Create Table Statement:

```
exec sp_help S_Is  
select * from S_Is
```

Create Table Statement:
15. Contracts

```
CREATE TABLE Contracts(  
ContractID CHAR(10) NOT NULL,  
NumVisits INT,  
StartDate DATE,  
EndDate DATE,  
AgencyID CHAR(10) NOT NULL,  
CONSTRAINT pk_Contracts PRIMARY KEY (ContractID),  
CONSTRAINT fk_Contracts_Agency FOREIGN KEY (AgencyID) REFERENCES  
BillingAgency(AgencyID))
```

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure, including the 'Contracts' table. The central pane shows the 'Contracts' table with its columns: ContractID, NumVisits, StartDate, EndDate, and AgencyID. The bottom pane shows the table's properties, including the primary key 'pk_Contracts' on 'ContractID' and a foreign key 'fk_Contracts_Agency' on 'AgencyID'.

ContractID	NumVisits	StartDate	EndDate	AgencyID
1	45	2023-01-03	2024-01-03	1
2	34	2023-01-15	2024-01-15	2
3	67	2023-02-17	2024-02-17	3

Column_name	Type	Computed	Length	Proc	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ContractID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
NumVisits	int	no	4	10	0	yes	(n/a)	(n/a)	NULL
StartDate	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
EndDate	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
AgencyID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

Index_name	Index_description	Index_keys
pk_Contracts	clustered, unique, primary key located on PRIMARY	ContractID

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_Contracts_Agency	No Action	No Action	Enabled	Is_For_Replication	AgencyID

Create Table Statement:
exec sp_help Contracts
select * from Contracts

Create Table Statement:

16. Bills

```
CREATE TABLE Bills(  
ContractID CHAR(10) NOT NULL,  
PaymentTypeID CHAR(10) NOT NULL,  
CONSTRAINT pk_Bills PRIMARY KEY (ContractID, PaymentTypeID),  
CONSTRAINT fk_Bills_contract FOREIGN KEY (ContractID) REFERENCES  
Contracts(ContractID),  
CONSTRAINT fk_Bills_PaymentTypes FOREIGN KEY (PaymentTypeID)  
REFERENCES PaymentTypes(PaymentTypeID))
```

```
exec sp_help Bills  
select * from Bills
```

Create Table Statement:

The screenshot displays the Microsoft SQL Server Management Studio interface. The query editor shows the following SQL code:

```
48 SELECT * FROM Bills
49
50 EXEC SP_HELP Bills
51
52 SELECT * FROM Visits
```

The query results pane shows the following data:

ContractID	PaymentTypeID
1	1
2	2
3	3

The Messages pane displays the table structure for 'Bills' (dbo user table, Created_dttm: 2024-03-08 14:08:34.723):

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FeedLenNullInSource	Collation
ContractID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
PaymentTypeID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

The Messages pane also displays the table constraints for 'Bills':

Constraint Name	Constraint Type	Constraint Description	Delete Action	Update Action	Status Enabled	Status For Replication	Constraint Keys
pk_Bills	PRIMARY KEY	clustered, unique, primary key located on PRIMARY	No Action	No Action	Enabled	Is_For_Replication	ContractID, PaymentTypeID
fk_Bills_contract	FOREIGN KEY		No Action	No Action	Enabled	Is_For_Replication	ContractID REFERENCES Phase2.dbo.Contracts (ContractID)
fk_Bills_PaymentType	FOREIGN KEY		No Action	No Action	Enabled	Is_For_Replication	PaymentTypeID REFERENCES Phase2.dbo.PaymentTypes (PaymentTypeID)

The status bar at the bottom indicates: Query executed successfully. CARDBOARD/SQLEXPRESS (15.0 ... CARDBOARD/Nathan (67) Phase2 00:00:01 15 rows

Create Table Statement:

17. Visits

```
CREATE TABLE Visits(  
VisitID CHAR(10) NOT NULL,  
DateTimeIn DATE,  
DateTimeOut DATE,  
ContractID CHAR(10) NOT NULL,  
StaffID CHAR(10) NOT NULL,  
CONSTRAINT pk_Visits PRIMARY KEY (VisitID),  
CONSTRAINT fk_Visit_Staff FOREIGN KEY (StaffID) references Staff(StaffID),  
CONSTRAINT fk_Visit_Contracts FOREIGN KEY (ContractID) references  
Contracts(ContractID))
```

The screenshot displays the Microsoft SQL Server Management Studio (SSMS) interface. The Query Editor shows the execution of a SQL script. The Results pane displays the table structure and data for the 'Visits' table. The Messages pane shows the successful execution of the query.

Query Editor:

```
51  
52 SELECT * FROM Visits  
53 EXEC SP_HELP Visits  
54  
55 SELECT * FROM HCNServices
```

Results:

VisitID	DateTimeIn	DateTimeOut	ContractID	StaffID
1	2023-03-01	2023-03-01	1	3
2	2023-03-02	2023-03-02	2	3
3	2023-03-03	2023-03-03	3	3

Table Structure:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
VisitID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
DateTimeIn	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
DateTimeOut	date	no	3	10	0	yes	(n/a)	(n/a)	NULL
ContractID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
StaffID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

Identity:

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

RowGuidCol:

RowGuidCol
No rowguidcol column defined.

Data located on filegroup:

Data located on filegroup
PRIMARY

Index:

Index_name	Index_description	Index_keys
pk_Visits	clustered, unique, primary key located on PRIMARY	VisitID

Constraint:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_Visit_Contracts	No Action	No Action	Enabled	Is_For_Replication	ContractID

Messages:

Query executed successfully.

Create Table Statement:

exec sp_help Visits

select * from Visits

Create Table Statement:

18. HCOServices

```
CREATE TABLE HCOServices(  
ServiceID CHAR(10),  
ServiceName VARCHAR(20),  
Service_Descr VARCHAR(100),  
CONSTRAINT pk_HCOServices PRIMARY KEY (ServiceID))
```

```
exec sp_help HCOServices  
select * from HCOServices
```

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Databases' folder expanded, showing the 'Phase2' database. The right pane shows the 'SQLQuery2.sql' script with the following queries:

```
SELECT * FROM HCOServices  
EXEC SP_HELP HCOServices
```

The 'Results' pane shows the output of the first query, displaying the table structure and data:

ServiceID	ServiceName	Service_Desc
1	syringes	A nurse provided a patient with a syringe filled wi...
2	catheters	A healthcare professional inserted a catheter int...
3	wound dressings	A nurse applied sterile wound dressings to a pat...

The 'Messages' pane shows the output of the second query, displaying the table structure and constraints:

Name	Owner	Type	Created_datetime
HCOServices	dbo	user table	2024-03-08 14:08:34.733

The 'Messages' pane also shows the table structure and constraints:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ServiceID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
ServiceName	varchar	no	20			yes	no	yes	SQL_Latin1_General_CP1_CI_AS
Service_Desc	varchar	no	500			yes	no	yes	SQL_Latin1_General_CP1_CI_AS

The 'Messages' pane also shows the table structure and constraints:

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

The 'Messages' pane also shows the table structure and constraints:

RowGuarCol	No rowguarcol column defined.
1	No rowguarcol column defined.

The 'Messages' pane also shows the table structure and constraints:

Data_located_on_filegroup	PRIMARY
1	PRIMARY

The 'Messages' pane also shows the table structure and constraints:

index_name	index_description	index_keys
pk_HCOServices	clustered, unique, primary key located on PRIMARY	ServiceID

The 'Messages' pane also shows the table structure and constraints:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
1	PRIMARY KEY (clustered)	pk_HCOServices	(n/a)	(n/a)	(n/a)	ServiceID

The 'Messages' pane also shows the table structure and constraints:

Table is referenced by foreign key	Phase2.dbo.Perform: fk_Performs_HCOServices
1	Phase2.dbo.Perform: fk_Performs_HCOServices

The status bar at the bottom indicates 'Query executed successfully.' and 'CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) :Phase2 00:00:00 16 rows'.

Create Table Statement:

19. Requires

```
CREATE TABLE Requires(  
ContractID CHAR(10) NOT NULL,  
ServiceID CHAR(10) NOT NULL,  
CONSTRAINT pk_Requires PRIMARY KEY(ContractID, ServiceID),  
CONSTRAINT fk_Requires_Contract FOREIGN KEY (ContractID) REFERENCES  
Contracts(ContractID),  
CONSTRAINT fk_Requires_HCOservices FOREIGN KEY (ServiceID) REFERENCES  
HCOservices(ServiceID))
```

```
exec sp_help Requires  
select * from Requires
```

Create Table Statement:

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Requires' table selected under the 'Phase2' database. The right pane shows the 'Query Results' tab, which displays the table's metadata and relationships.

Table Structure:

Column Name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ContractID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
ServiceID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

Relationships:

Relationship Type	Constraint Name	Delete Action	Update Action	Status Enabled	Status For Replication	Constraint Keys
PRIMARY	pk_Requires					ContractID, ServiceID
FOREIGN KEY	fk_Requires_Contract	No Action	No Action	Enabled	Is For Replication	ContractID REFERENCES Phase2.dbo.Contracts (ContractID)
FOREIGN KEY	fk_Requires_HCOS	No Action	No Action	Enabled	Is For Replication	ServiceID REFERENCES Phase2.dbo.HCOServices (ServiceID)

The status bar at the bottom indicates: "Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:00 16 rows".

20. PracticalNeeds

CREATE TABLE PracticalNeeds(
 ContractID CHAR(10) NOT NULL,
 ServiceID CHAR(10) NOT NULL,

Create Table Statement:

EquipmentID CHAR(10) NOT NULL,
CONSTRAINT pk_PracticalNeeds PRIMARY KEY(ContractID, ServiceID, EquipmentID),
CONSTRAINT fk_PracticalNeeds_Requires FOREIGN KEY (ContractID, ServiceID)
REFERENCES Requires(ContractID, ServiceID),
CONSTRAINT fk_PracticalNeeds_Equipment FOREIGN KEY (EquipmentID)
REFERENCES Equipment(EquipmentID))

exec sp_help PracticalNeeds
select * from PracticalNeeds

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'PracticalNeeds' table selected under the 'Phase2' database. The right pane shows the 'Query Results' tab with the following data:

ContractID	ServiceID	EquipmentID
1	1	1
2	2	2
3	3	3

Below the query results, the 'Messages' pane displays the table structure and constraints for 'PracticalNeeds':

Name	Owner	Type	Created_date/time
PracticalNeeds	dbo	user table	2024-03-08 14:08:34.743

Column details:

Column_name	Type	Computed	Length	Proc	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ContractID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
ServiceID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
EquipmentID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

Identity and RowGuidCol details:

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

RowGuidCol details:

RowGuidCol
No rowguidcol column defined.

Data Locality details:

Data Locality	on_filegroup
PRIMARY	

Index details:

index_name	index_description	index_keys
pk_PracticalNeeds	clustered, unique, primary key located on PRIMARY	ContractID, ServiceID, EquipmentID

Constraint details:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_PracticalNeeds_Equipment	No Action	No Action	Enabled	Is_For_Replication	EquipmentID REFERENCES Phase2.dbo.Equipment (EquipmentID)
FOREIGN KEY	fk_PracticalNeeds_Requires	No Action	No Action	Enabled	Is_For_Replication	ContractID, ServiceID REFERENCES Phase2.dbo.Requires (ContractID, ServiceID)

The status bar at the bottom indicates: 'Query executed successfully. CARDBOARD/SQLEXPRESS (15.0 ... CARDBOARD/Nathan (67) Phase2 00:00:00 16 rows'.

Create Table Statement:

21. Performs

```
CREATE TABLE Performs(  
VisitID CHAR(10) NOT NULL,  
ServiceID CHAR(10) NOT NULL,  
CONSTRAINT pk_Performs PRIMARY KEY(VisitID, ServiceID),  
CONSTRAINT fk_Performs_Visit FOREIGN KEY(VisitID) REFERENCES Visits(VisitID),  
CONSTRAINT fk_Performs_HCOServices FOREIGN KEY(ServiceID) REFERENCES  
HCOServices(ServiceID))
```

```
exec sp_help Performs  
select * from Performs
```

Create Table Statement:

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The 'Object Explorer' on the left shows the database structure, including the 'Phase2' database. The 'Query Results' pane on the right shows the execution of a query that created the 'Performs' table. The table has two columns: 'VisitID' and 'ServiceID', both of type CHAR(10) and NOT NULL. The table is located on the 'PRIMARY' filegroup. The 'Query Results' pane also shows the table's properties, including its identity, rowguidcol, and data type.

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
VisitID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
ServiceID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

22. Uses

CREATE TABLE Uses(
 Quantity INT,
 VisitID CHAR(10) NOT NULL,
 ServiceID CHAR(10) NOT NULL,

Create Table Statement:

EquipmentID CHAR(10) NOT NULL,
CONSTRAINT pk_Uses PRIMARY KEY(VisitID, ServiceID, EquipmentID),
CONSTRAINT fk_Uses_Equipment FOREIGN KEY(EquipmentID) REFERENCES
Equipment(EquipmentID),
CONSTRAINT fk_Uses_Performs FOREIGN KEY(VisitID, ServiceID) REFERENCES
Performs(VisitID, ServiceID))

exec sp_help Uses
select * from Uses

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The left pane shows the 'Object Explorer' with the 'Uses' table selected under the 'Phase2' database. The right pane shows the 'Query Results' window with the following data:

Quantity	VisitID	ServiceID	EquipmentID
98	1	1	1
42	2	2	2
7000	3	3	3

Below the query results, the 'Messages' pane shows the table structure for 'Uses' (dbo user table, created 2024-03-08 14:08:34.753). The structure includes columns: Quantity (int, 4, 10, 0, no, yes, (n/a), (n/a), NULL), VisitID (char, 10, no, no, no, no, no, NULL), ServiceID (char, 10, no, no, no, no, no, NULL), and EquipmentID (char, 10, no, no, no, no, no, NULL). The table has a primary key on (VisitID, ServiceID, EquipmentID) and a foreign key on EquipmentID referencing the Equipment table.

At the bottom, a status bar indicates: 'Query executed successfully. CARDBOARD/SQLEXPRESS (15.0 ... CARDBOARD/Nathan (67) Phase2 00:00:01 17 rows'.

23. ServeEquipLists

Create Table Statement:

```
CREATE TABLE ServeEquipLists(  
ServiceID CHAR(10) NOT NULL,  
EquipmentID CHAR(10) NOT NULL,  
CONSTRAINT pk_ServeEquipLists PRIMARY KEY(ServiceID, EquipmentID),  
CONSTRAINT fk_ServeEquipLists_Service FOREIGN KEY (ServiceID) REFERENCES  
HCOservices(ServiceID),  
CONSTRAINT fk_ServeEquipLists_Equipment FOREIGN KEY (EquipmentID)  
REFERENCES Equipment(EquipmentID))
```

```
exec sp_help ServeEquipLists  
select * from ServeEquipLists
```

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
69  
70 SELECT * FROM ServeEquipLists  
71 EXEC SP_HELP ServeEquipLists  
72  
73 SELECT * FROM ServeEquipLists
```

The Results pane displays the output of the `EXEC SP_HELP` command, showing the table structure and constraints for `ServeEquipLists`.

ServiceID	EquipmentID
1	1
2	2
3	3

Name	Owner	Type	Created_date/time
ServeEquipLists	dbo	user table	2024-03-08 14:08:34.757

Column name	Type	Computed	Length	Proc	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ServiceID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
EquipmentID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGuarCol
No rowguarcol column defined.

Data_located_on_filegroup
PRIMARY

Index name	Index description	Index keys
pk_ServeEquipLists	clustered, unique, primary key located on PRIMARY	ServiceID, EquipmentID

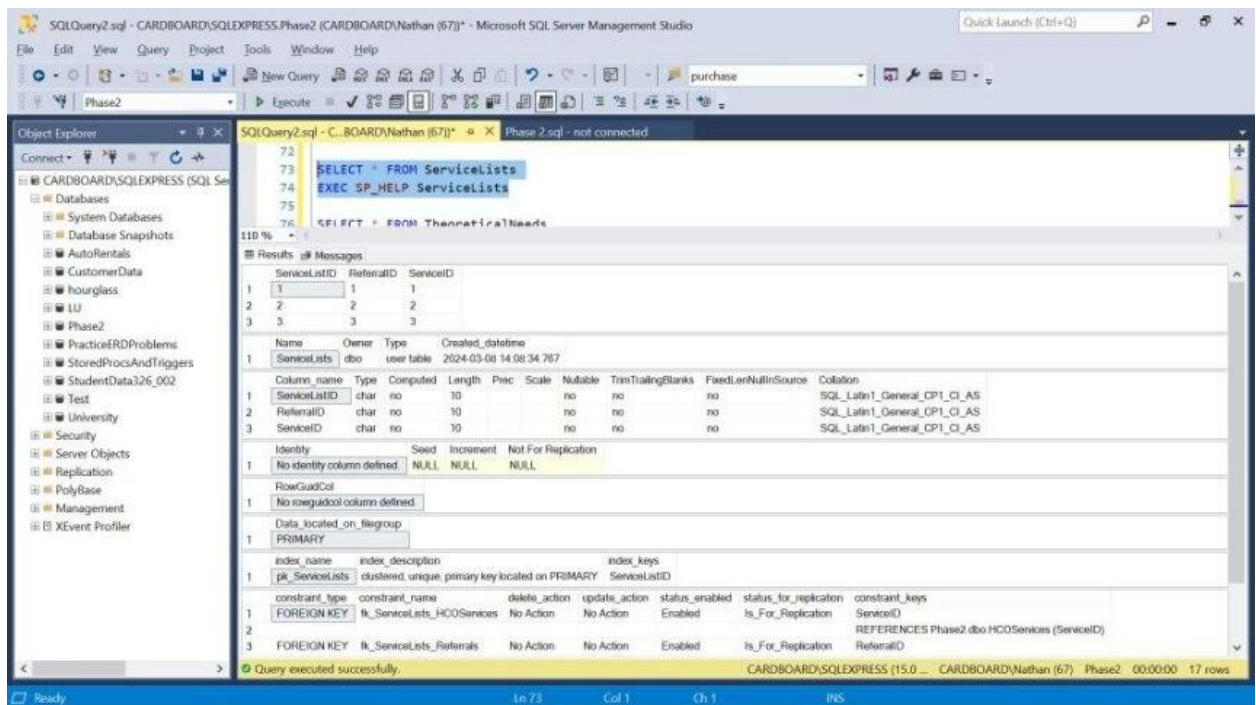
constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_ServeEquipLists_Equipment	No Action	No Action	Enabled	Is_For_Replication	EquipmentID REFERENCES Phase2.dbo.Equipment (EquipmentID)
FOREIGN KEY	fk_ServeEquipLists_Service	No Action	No Action	Enabled	Is_For_Replication	ServiceID REFERENCES Phase2.dbo.HCOservices (ServiceID)

Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:00 15 rows

24. ServiceLists

Create Table Statement:

```
CREATE TABLE ServiceLists(  
ServiceListID CHAR(10) NOT NULL,  
ReferralID CHAR(10) NOT NULL,  
ServiceID CHAR(10) NOT NULL,  
CONSTRAINT pk_ServiceLists PRIMARY KEY(ServiceListID),  
CONSTRAINT fk_ServiceLists_Referrals FOREIGN KEY(ReferralID) REFERENCES  
Referrals(ReferralID),  
CONSTRAINT fk_ServiceLists_HCOservices FOREIGN KEY(ServiceID)  
REFERENCES HCOservices(ServiceID))
```



The screenshot displays the Microsoft SQL Server Management Studio interface. The query window shows the following SQL code:

```
72  
73 SELECT * FROM ServiceLists  
74 EXEC SP_HELP ServiceLists  
75  
76 SELECT * FROM ThannetiraNeeds
```

The Results pane shows the table structure for ServiceLists:

ServiceListID	ReferralID	ServiceID
1	1	1
2	2	2
3	3	3

The Messages pane shows the following message:

1 Name Owner Type Created_date
ServiceLists dbo user table 2024-03-08 14:08:34.787

The table structure details are as follows:

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ServiceListID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
ReferralID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
ServiceID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

The table constraints are as follows:

Index_name	Index_description	Index_keys
pk_ServiceLists	clustered, unique, primary key located on PRIMARY	ServiceListID

The table foreign keys are as follows:

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_ServiceLists_HCOservices	No Action	No Action	Enabled	Is_For_Replication	ServiceID
FOREIGN KEY	fk_ServiceLists_Referrals	No Action	No Action	Enabled	Is_For_Replication	ReferralID

The status bar at the bottom indicates: Ready, Ln 73, Col 1, Ch 1, INS. The status bar also shows: Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:00 17 rows

```
exec sp_help ServiceLists:  
select * from ServiceLists:
```


25. TheoreticalNeeds

Create Table Statement:

```
CREATE TABLE TheoreticalNeeds(  
ServiceListID CHAR(10) NOT NULL,  
EquipmentID CHAR(10) NOT NULL,  
CONSTRAINT pk_TheoreticalNeeds PRIMARY KEY(ServiceListID, EquipmentID),  
CONSTRAINT fk_TheoreticalNeeds_Equipment FOREIGN KEY (EquipmentID)  
REFERENCES Equipment(EquipmentID),  
CONSTRAINT fk_TheoreticalNeeds_ServiceLists FOREIGN KEY (ServiceListID)  
REFERENCES ServiceLists(ServiceListID))
```

```
exec sp_help TheoreticalNeeds  
select * from TheoreticalNeeds
```

The screenshot displays the Microsoft SQL Server Management Studio interface. The SQL query editor shows the following commands:

```
75  
76 SELECT * FROM TheoreticalNeeds  
77 EXEC SP_HELP TheoreticalNeeds
```

The Results pane shows the output of the `EXEC SP_HELP` command, which includes the table structure and constraints for `TheoreticalNeeds`.

ServiceListID	EquipmentID
1	1
2	2
3	3

Name	Owner	Type	Created_date/time
TheoreticalNeeds	dbo	user table	2024-03-08 14:08:34.770

Column_name	Type	Computed	Length	Prec	Scale	Nullable	TrimTrailingBlanks	FixedLenNullInSource	Collation
ServiceListID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS
EquipmentID	char	no	10			no	no	no	SQL_Latin1_General_CP1_CI_AS

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

RowGuidCol
No rowguidcol column defined.

Data_located_on_filegroup
PRIMARY

Index_name	Index_description	Index_keys
pk_TheoreticalNeeds	clustered, unique, primary key located on PRIMARY	ServiceListID, EquipmentID

constraint_type	constraint_name	delete_action	update_action	status_enabled	status_for_replication	constraint_keys
FOREIGN KEY	fk_TheoreticalNeeds_Equipment	No Action	No Action	Enabled	Is_For_Replication	EquipmentID REFERENCES Phase2.dbo.Equipment (EquipmentID)
FOREIGN KEY	fk_TheoreticalNeeds_ServiceL...	No Action	No Action	Enabled	Is_For_Replication	ServiceListID REFERENCES Phase2.dbo.ServiceLists (ServiceList...

Query executed successfully. CARDBOARD\SQLEXPRESS (15.0 ... CARDBOARD\Nathan (67) Phase2 00:00:00 15 rows