

Create Table People by Query

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' with the 'PeopleDB' database selected. The right pane shows the 'Query Editor' with the following SQL script:

```
CREATE TABLE People
(
    PersonID int identity NOT NULL Primary key,
    PersonName varchar(20) NOT NULL,
    PersonSecondName varchar(20) NOT NULL,
    BirthYear int NOT NULL,
    BirthCity varchar(20) NOT NULL
)

INSERT INTO People
(PersonName, PersonSecondName, BirthYear, BirthCity)
VALUES
('Oleg', 'Syvak', '1980', 'Ternopil'),
('Yuriy', 'Prus', '1977', 'Uzgorod'),
('Oleksandr', 'Teslyar', '1979', 'Donetsk'),
('Yuriy', 'Klymyk', '1977', 'Ternopil'),
('Dana', 'Martynyak', '1980', 'Simferopol'),
('Nadya', 'Markiv', '1981', 'Khmelnytskyi')
```

The 'Messages' pane at the bottom shows the execution results:

```
(6 rows affected)
Completion time: 2021-09-26T15:57:49.0958723+03:00
```

The status bar at the bottom indicates 'Query executed successfully.' and '0 rows'.

Select TOP1000 Rows by main menu from table People

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The left pane displays the 'Object Explorer' with the 'PeopleDB' database selected. The right pane shows the 'Query Editor' with the following SQL script:

```
SELECT TOP (1000) [PersonID]
,[PersonName]
,[PersonSecondName]
,[BirthYear]
,[BirthCity]
FROM [PeopleDB].[dbo].[People]
```

The 'Results' pane at the bottom shows the execution results:

PersonID	PersonName	PersonSecondName	BirthYear	BirthCity
1	Oleg	Syvak	1980	Ternopil
2	Yuriy	Prus	1977	Uzgorod
3	Oleksandr	Teslyar	1979	Donetsk
4	Yuriy	Klymyk	1977	Ternopil
5	Dana	Martynyak	1980	Simferopol
6	Nadya	Markiv	1981	Khmelnytskyi

The status bar at the bottom indicates 'Query executed successfully.' and '6 rows'.

Select TOP1000 Rows by main menu from table Students

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure, including the 'PeopleDB' database and the 'dbo.Students' table. The main window shows a SQL query executed successfully, displaying the top 1000 rows from the 'Students' table. The query is as follows:

```
SELECT TOP (1000) [StudentsID]
, [PersonID]
, [Faculty]
, [Graduated]
, [UniversityID]
FROM [PeopleDB].[dbo].[Students]
```

The results are displayed in a table with the following columns: StudentsID, PersonID, Faculty, Graduated, and UniversityID. The data shows the first 6 rows of the table.

StudentsID	PersonID	Faculty	Graduated	UniversityID
1	1	FoodIndustry	2003	1
2	2	FoodIndustry	2002	1
3	3	FinancialService	2005	3
4	4	ITService	2004	2
5	5	FoodIndustry	2003	1
6	6	FoodIndustry	2003	1

Modify Columns by main menu from table Students

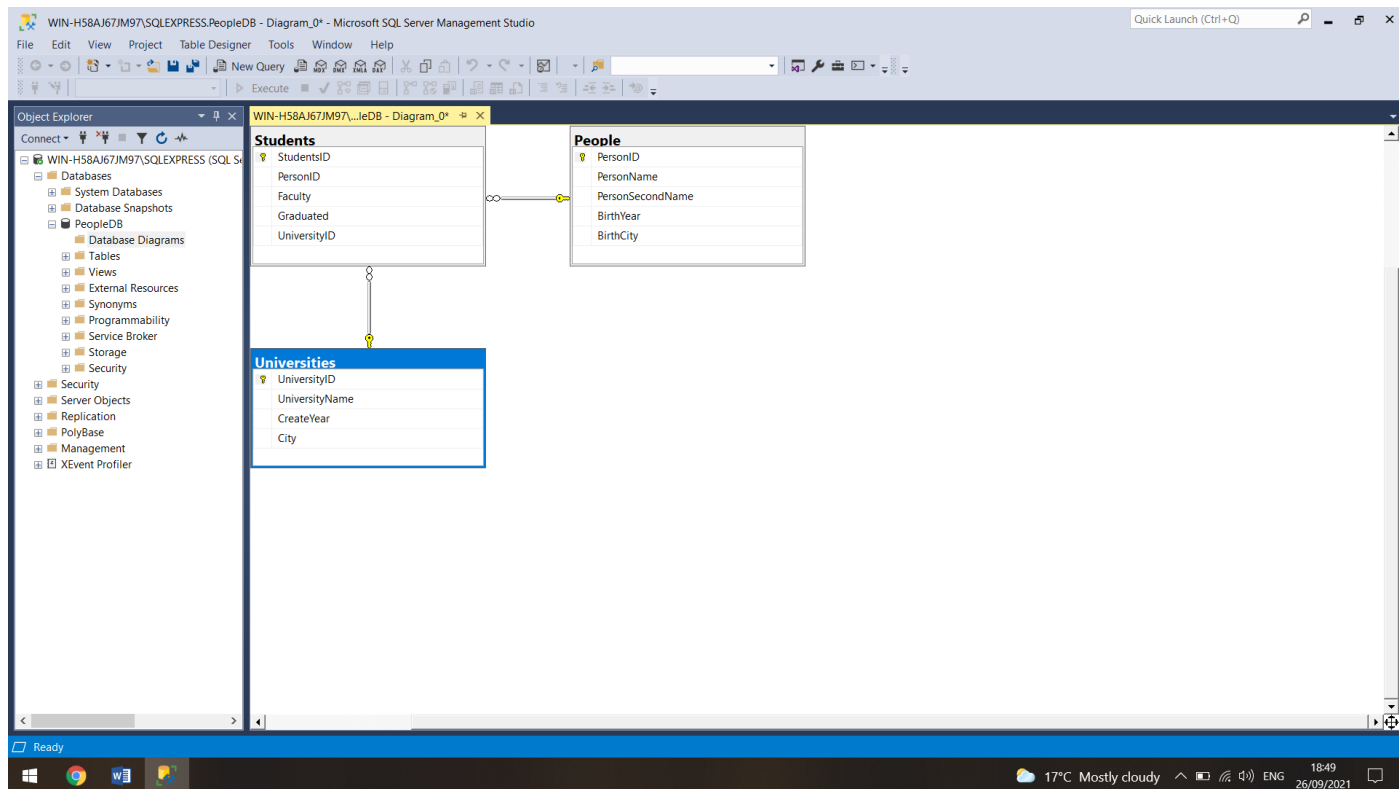
The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure, including the 'PeopleDB' database and the 'dbo.Students' table. The main window shows the 'Table Designer' window for the 'Students' table, allowing modification of columns. The table structure is as follows:

Column Name	Data Type	Allow Nulls
StudentsID	int	<input type="checkbox"/>
PersonID	int	<input type="checkbox"/>
Faculty	varchar(50)	<input type="checkbox"/>
Graduated	int	<input type="checkbox"/>
UniversityID	int	<input type="checkbox"/>

The 'Column Properties' window is also visible, showing the properties for the 'StudentsID' column:

- (General)
- (Name)
- Allow Nulls: No
- Data Type: int
- Default Value or Binding:
- Table Designer
- (General)

Database Diagrams



Select all from People

The screenshot shows the SQL Query window in Microsoft SQL Server Enterprise Designer. The query is:

```
Select * from People
```

The results are displayed in a table with 6 rows and 5 columns:

	PersonID	PersonName	PersonSecondName	BirthYear	BirthCity
1	1	Oleg	Syvak	1980	Ternopil
2	2	Yuriy	Prus	1977	Uzgorod
3	3	Oleksandr	Teslyar	1979	Dnestrak
4	4	Yuriy	Klymyk	1977	Ternopil
5	5	Dana	Matyryak	1980	Simferopol
6	6	Nadya	Markiv	1981	Khmelnitsky

The status bar at the bottom indicates: "Query executed successfully. WIN-H58AJ67JM97\SQLEXPRESS ... WIN-H58AJ67JM97(user (54)) PeopleDB 00:00:00 6 rows".

Select all from Universities

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB', including tables 'dbo.People', 'dbo.Students', and 'dbo.Universities'. The query window on the right contains the SQL statement: `Select * from Universities`. The Results pane at the bottom shows the output of the query, which is a table with 3 rows and 4 columns: UniversityID, UniversityName, CreateYear, and City.

UniversityID	UniversityName	CreateYear	City
1	TNTU	1976	Ternopil
2	LNJU	1608	Lviv
3	KhNU	1804	Kharkiv

Select All from Students

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB', including tables 'dbo.People', 'dbo.Students', and 'dbo.Universities'. The query window on the right contains the SQL statement: `Select * from Students`. The Results pane at the bottom shows the output of the query, which is a table with 6 rows and 5 columns: StudentsID, PersonID, Faculty, Graduated, and UniversityID.

StudentsID	PersonID	Faculty	Graduated	UniversityID
1	1	FoodIndustry	2003	1
2	2	FoodIndustry	2002	1
3	3	FinancialService	2005	3
4	4	ITService	2004	2
5	5	FoodIndustry	2003	1
6	6	FoodIndustry	2003	1

Select * from Students where UniversityID = 1

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'PeopleDB'. The central query window contains the following SQL query:

```
Select * from People  
  
Select * from Universities  
  
Select * from Students where UniversityID = 1
```

The Results pane at the bottom displays the output of the query, showing a table with 4 rows and 5 columns: StudentsID, PersonID, Faculty, Graduated, and UniversityID.

StudentsID	PersonID	Faculty	Graduated	UniversityID
1	1	FoodIndustry	2003	1
2	2	FoodIndustry	2002	1
3	5	FoodIndustry	2003	1
4	6	FoodIndustry	2003	1

The status bar at the bottom indicates 'Query executed successfully.' and '4 rows'.

Select * from People where PersonSecondName like '%s%'

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The Object Explorer on the left displays the database structure for 'PeopleDB'. The central query window contains the following SQL query:

```
Select * from People  
  
Select * from Universities  
  
Select * from Students where UniversityID = 1  
  
Select * from People where PersonSecondName like '%s%'
```

The Results pane at the bottom displays the output of the query, showing a table with 3 rows and 5 columns: PersonID, PersonName, PersonSecondName, BirthYear, and BirthCity.

PersonID	PersonName	PersonSecondName	BirthYear	BirthCity
1	Oleg	Syak	1980	Temopol
2	Yuriy	Prus	1977	Uzgorod
3	Oleksandr	Teslyar	1979	Donetsk

The status bar at the bottom indicates 'Query executed successfully.' and '3 rows'.

Select City from Universities

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB'. The main query window contains the following SQL code:

```
Select * from People  
  
Select * from Universities  
  
Select * from Students where UniversityID = 1  
  
Select * from People where PersonSecondName like '%s%'  
  
Select City from Universities
```

The Results pane at the bottom shows the output of the last query:

City
1 Ternopil
2 Lviv
3 Kharkiv

The status bar at the bottom indicates the query was executed successfully.

Select PersonName, count(PersonName) from People Group by PersonName

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB'. The main query window contains the following SQL code:

```
Select * from People  
  
Select * from Students  
  
Select * from Students where UniversityID = 1  
  
Select * from People where PersonName like '%s%'  
  
Select City from Universities  
  
Select PersonName, count(PersonName) from People Group by PersonName
```

The Results pane at the bottom shows the output of the last query:

PersonName	(No column name)
1 Dana	1
2 Nadya	1
3 Oleg	1
4 Oleksandr	1
5 Yurly	2

The status bar at the bottom indicates the query was executed successfully.

Select BirthYear, count(BirthYear) from People Group by BirthYear

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB', including tables like 'People', 'Students', and 'Universities'. The query editor in the center contains the following SQL code:

```
Select * from People
Select * from Students
Select * from Students where UniversityID = 1
Select * from People where PersonName like '%s%'
Select City from Universities
Select PersonName, count(PersonName) from People Group by PersonName
Select BirthYear, count(BirthYear) from People Group by BirthYear
```

The 'Results' pane at the bottom shows the output of the last query, which is a table with two columns: 'BirthYear' and '(No column name)'. The data is as follows:

BirthYear	(No column name)
1977	2
1979	1
1980	2
1981	1

The status bar at the bottom indicates that the query was executed successfully, returning 4 rows.

Select BirthYear, count(BirthYear) from People Group by BirthYear Having BirthYear >1979

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor now includes a HAVING clause in the last query:

```
Select BirthYear, count(BirthYear) from People Group by BirthYear Having BirthYear >1979
```

The 'Results' pane shows the output of this filtered query, which is a table with two columns: 'BirthYear' and '(No column name)'. The data is as follows:

BirthYear	(No column name)
1980	2
1981	1

The status bar at the bottom indicates that the query was executed successfully, returning 2 rows.

Select Graduated, count(Graduated) from Students Group by Graduated Having Graduated <2004

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB', including tables 'People' and 'Students'. The query editor in the center contains the following SQL code:

```
Select * from People where PersonName like '%s%'
Select City from Universities
Select PersonName, count(PersonName) from People Group by PersonName
Select BirthYear, count(BirthYear) from People Group by BirthYear
Select Graduated, count(Graduated) from Students Group by Graduated Having Graduated <2004
```

The 'Results' pane at the bottom shows the output of the last query:

Graduated	(No column name)
2002	1
2003	3

The status bar at the bottom indicates 'Query executed successfully.' and '2 rows'.

Select * from Students Order by Graduated

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'PeopleDB'. The query editor in the center contains the following SQL code:

```
Select * from People where PersonName like '%s%'
Select City from Universities
Select PersonName, count(PersonName) from People Group by PersonName
Select BirthYear, count(BirthYear) from People Group by BirthYear
Select * from Students Order by Graduated
```

The 'Results' pane at the bottom shows the output of the last query:

StudentsID	PersonID	Faculty	Graduated	UniversityID
1	2	FoodIndustry	2002	1
2	1	FoodIndustry	2003	1
3	5	FoodIndustry	2003	1
4	6	FoodIndustry	2003	1
5	4	ITService	2004	2
6	3	FinancialService	2005	3

The status bar at the bottom indicates 'Query executed successfully.' and '6 rows'.

SQLQuery9.sql - WIN-H58AJ67JM97\SQLEXPRESS:PeopleDB (WIN-H58AJ67JM97/user (59)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query Execute

Object Explorer

Connect

WIN-H58AJ67JM97\SQLEXPRESS (SQ

Databases

System Databases

Database Snapshots

PeopleDB

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.People

Columns

PersonID (PK, int, no

PersonName (varchar

PersonSecondName

BirthYear (int, not n

BirthCity (varchar(20

Keys

Constraints

Triggers

Indexes

Statistics

dbo.Students

Columns

StudentID (PK, int, i

PersonID (FK, int, no

Faculty (varchar(50),

Graduated (int, not 1

UniversityID (FK, int,

Keys

Constraints

Triggers

Indexes

Statistics

SQLQuery9.sql - WIN-H58AJ67JM97/user (59)) SQLQuery8.sql - WIN-H58AJ67JM97/user (63) SQLQuery7.sql - WIN-H58AJ67JM97/user (61) SQLQuery6.sql - WIN-H58AJ67JM97/user (54)

```

Select * from People where PersonName like '%S%'

Select City from Universities

Select PersonName, count(PersonName) from People Group by PersonName

Select BirthYear, count(BirthYear) from People Group by BirthYear

Select * from Students Order by Graduated DESC

```

100 %

Results Messages

	StudentID	PersonID	Faculty	Graduated	UniversityID
1	3	3	FinancialService	2005	3
2	4	4	ITService	2004	2
3	5	5	FoodIndustry	2003	1
4	6	6	FoodIndustry	2003	1
5	1	1	FoodIndustry	2003	1
6	2	2	FoodIndustry	2002	1

Query executed successfully.

WIN-H58AJ67JM97\SQLEXPRESS - WIN-H58AJ67JM97/user (59) PeopleDB 00:00:06 6 rows

Ready Ln 16 Col 1 Ch 1 WIN-H58AJ67JM97\SQLEXPRESS (15.0 RTM) 16:08 27/09/2021