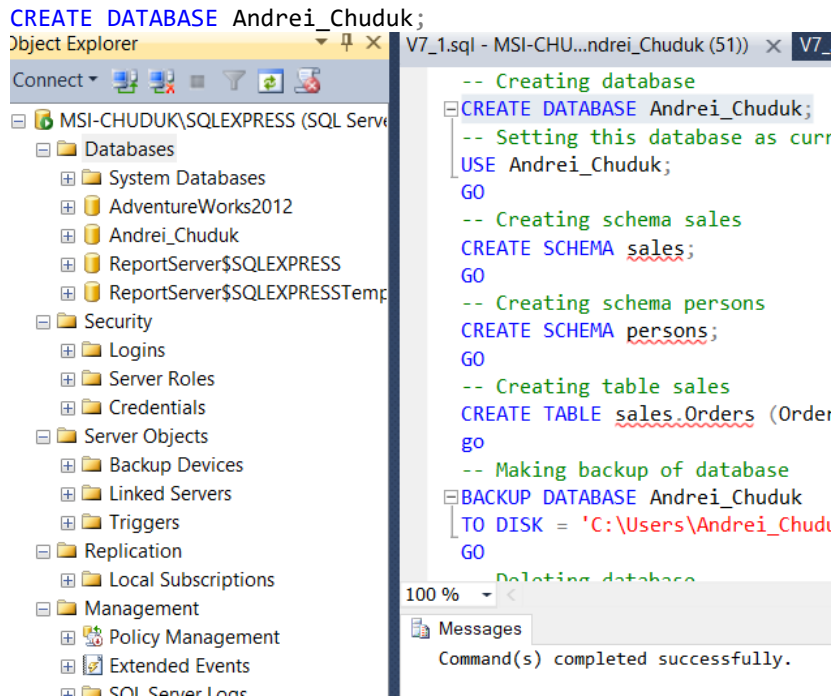


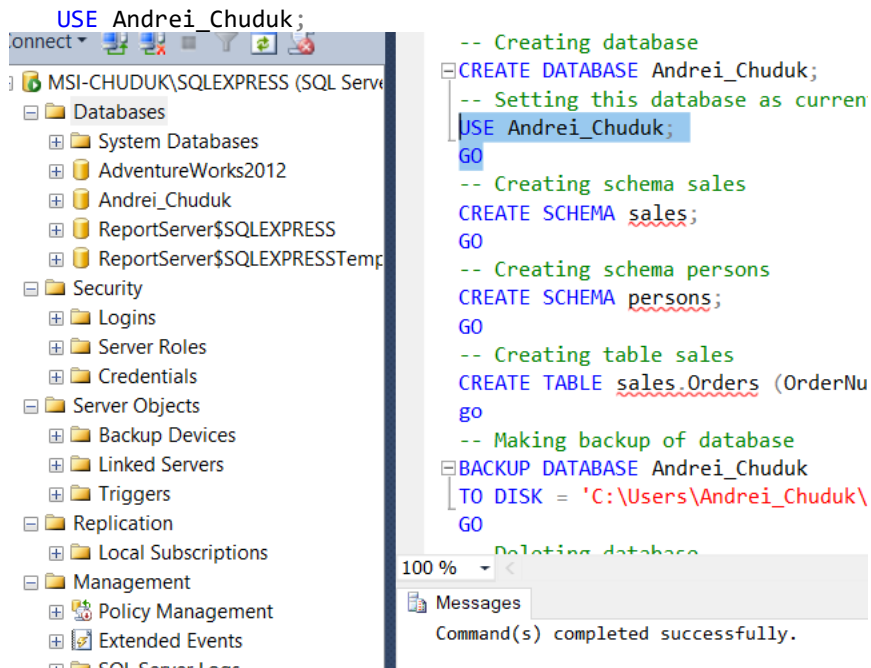
Лабораторная работа №1

Задание 1

1. Создать новую БД под название Andrei_Chuduk

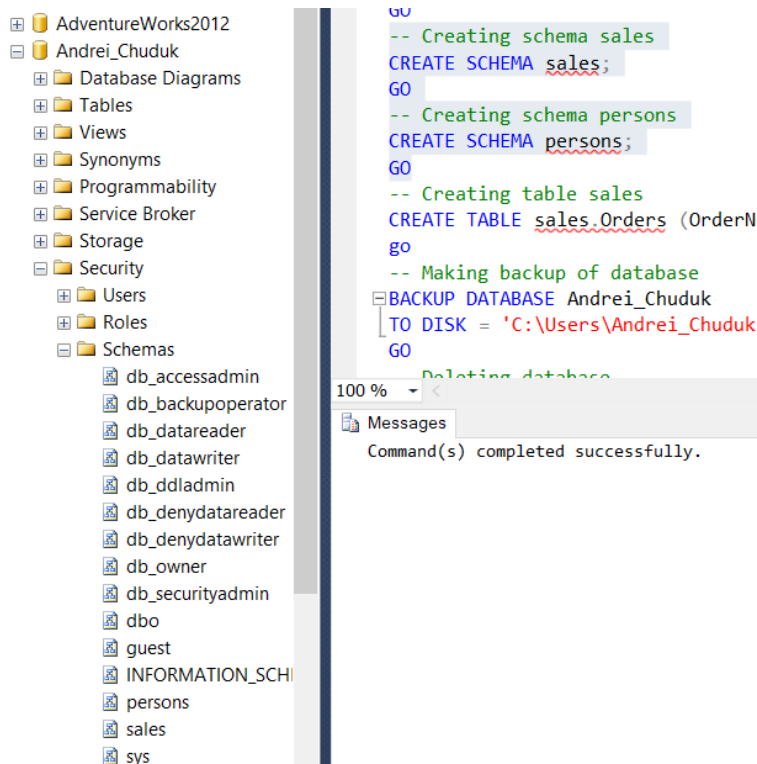


2. Сделать текущей рабочей БД базу Andrei_Chuduk



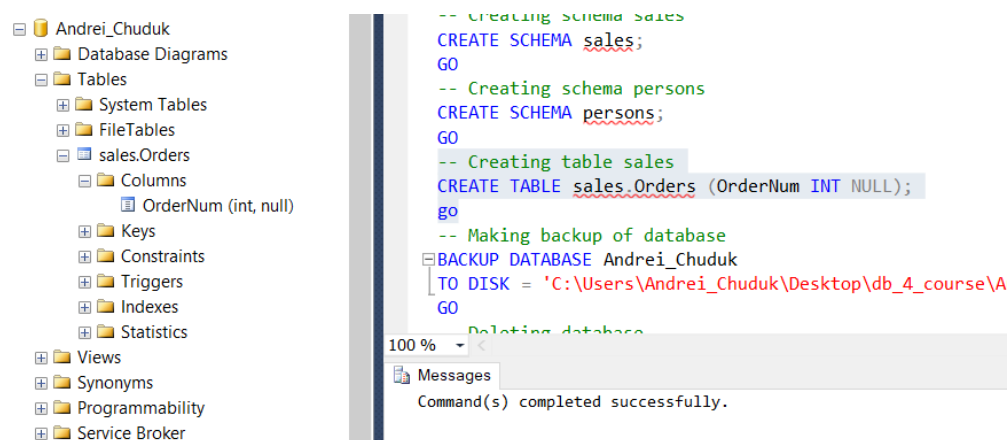
3. Создать новые схемы sales, persons

```
-- Creating schema sales
CREATE SCHEMA sales;
GO
-- Creating schema persons
CREATE SCHEMA persons;
GO
```



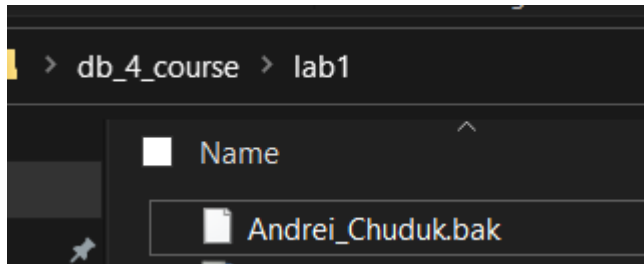
4. Создать новую таблицу Orders в схеме sales, имеющую одно поле OrderNum, тип данных которого INT

```
-- Creating table Orders
CREATE TABLE sales.Orders (OrderNum INT NULL);
go
```



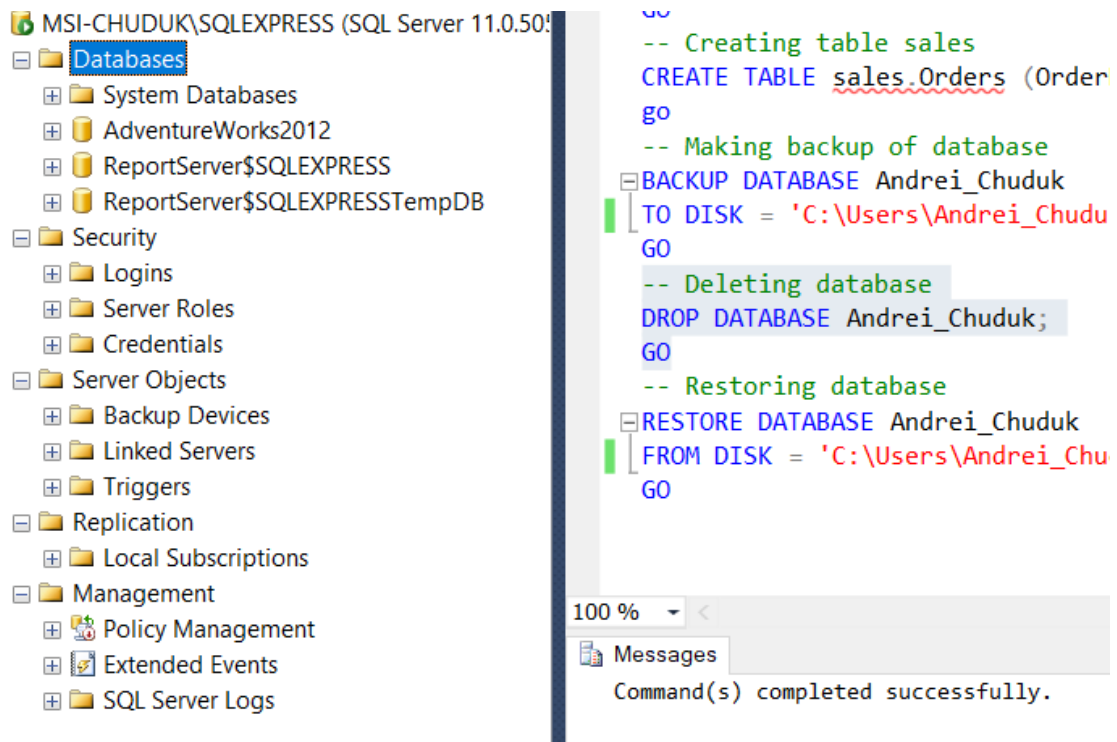
5. Создать бэкап базы Andrei_Chuduk и сохранить его в файловой системе.

```
-- Making backup of database
BACKUP DATABASE Andrei_Chuduk
TO DISK = 'C:\Users\Andrei_Chuduk\Desktop\db_4_course\lab1\Andrei_Chuduk.bak';
GO
```



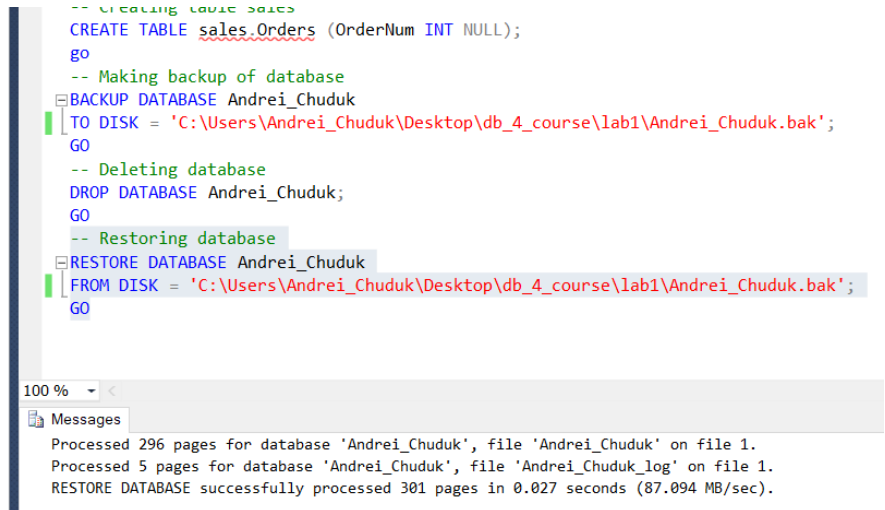
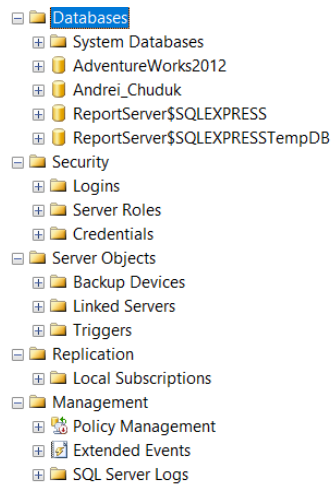
6. Удалить базу Andrei_Chuduk

```
-- Deleting database
DROP DATABASE Andrei_Chuduk;
GO
```



7. Восстановить базу Andrei_Chuduk из бэкапа

```
-- Restoring database
RESTORE DATABASE Andrei_Chuduk
FROM DISK = 'C:\Users\Andrei_Chuduk\Desktop\db_4_course\lab1\Andrei_Chuduk.bak';
GO
```

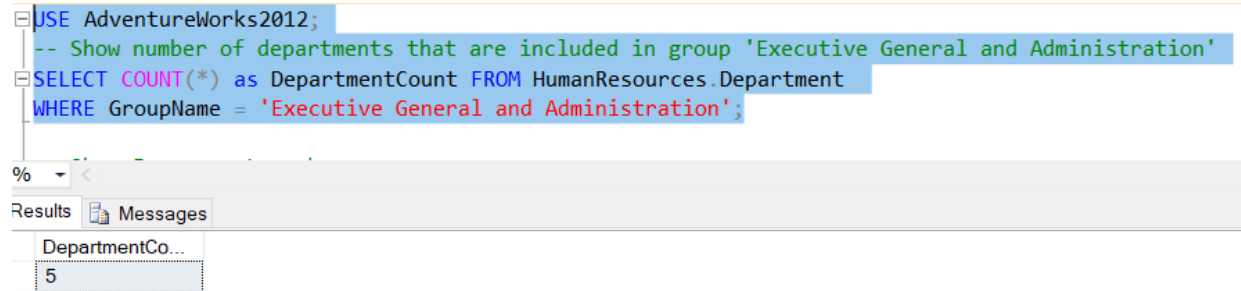


Задание 2

1. Вывести на экран количество отделов, которые входят в группу 'Executive General and Administration'.

```
-- Show number of departments that are included in group 'Executive General and Administration'
```

```
SELECT COUNT(*) as DepartmentCount FROM HumanResources.Department  
WHERE GroupName = 'Executive General and Administration';
```



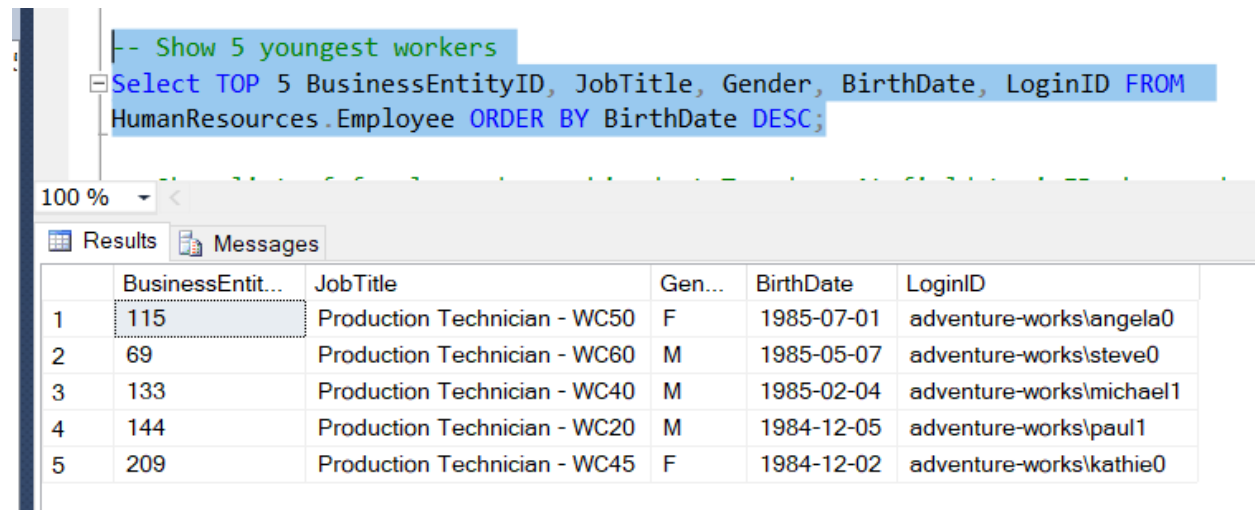
```
USE AdventureWorks2012;  
-- Show number of departments that are included in group 'Executive General and Administration'  
SELECT COUNT(*) as DepartmentCount FROM HumanResources.Department  
WHERE GroupName = 'Executive General and Administration';
```

DepartmentCo...
5

2. Вывести на экран 5(пять) самых молодых сотрудников.

```
-- Show 5 youngest workers
```

```
Select TOP 5 BusinessEntityID, JobTitle, Gender, BirthDate, LoginID FROM  
HumanResources.Employee ORDER BY BirthDate DESC;
```



```
-- Show 5 youngest workers  
Select TOP 5 BusinessEntityID, JobTitle, Gender, BirthDate, LoginID FROM  
HumanResources.Employee ORDER BY BirthDate DESC;
```

	BusinessEntit...	JobTitle	Gen...	BirthDate	LoginID
1	115	Production Technician - WC50	F	1985-07-01	adventure-works\angela0
2	69	Production Technician - WC60	M	1985-05-07	adventure-works\steve0
3	133	Production Technician - WC40	M	1985-02-04	adventure-works\michael1
4	144	Production Technician - WC20	M	1984-12-05	adventure-works\paul1
5	209	Production Technician - WC45	F	1984-12-02	adventure-works\kathie0

3. Вывести на экран список сотрудников женского пола, принятых на работу во вторник (Tuesday). В поле [LoginID] заменить домен 'adventure-works' на 'adventure-works2012'

```
-- Show list of female workers, hired at Tuesday. At field LoginID change domain  
'adventure-works' to 'adventure-works2012'
```

```
Select BusinessEntityID, JobTitle, Gender, HireDate,  
REPLACE(LoginID, 'adventure-works', 'adventure-works2012') as LoginID  
from HumanResources.Employee  
WHERE Gender = 'F' AND DATEPART(dw, HireDate) = '3';
```

```
-- Show list of female workers, hired at Tuesday. At field LoginID change domain 'adventure-works' to 'adventure-works2012'
Select BusinessEntityID, JobTitle, Gender, HireDate,
REPLACE(LoginID, 'adventure-works', 'adventure-works2012') as LoginID
from HumanResources.Employee
WHERE Gender = 'F' AND DATEPART(dw, HireDate) = '3';
```

100 %

Results Messages

	BusinessEntit...	JobTitle	Gen...	HireDate	LoginID
1	38	Production Technician - WC60	F	2004-02-17	adventure-works2012\kim1
2	90	Production Technician - WC10	F	2004-03-23	adventure-works2012\danielle0
3	158	Production Technician - WC20	F	2003-04-08	adventure-works2012\shelley0
4	162	Production Technician - WC45	F	2003-02-04	adventure-works2012\laura0
5	234	Chief Financial Officer	F	2003-03-04	adventure-works2012\laura1
6	235	Human Resources Manager	F	2003-01-07	adventure-works2012\paula0