

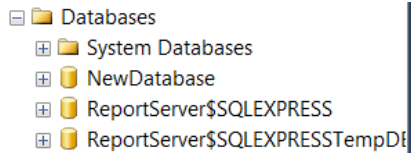
Лабораторная работа №1

Задание 1

1. Создание БД

```
create database NewDatabase;
```

Messages
Command(s) completed successfully.



```
use NewDatabase;  
go
```

Messages
Command(s) completed successfully.

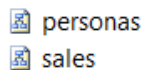


2. Создание схемы

```
create schema sales;  
go
```

```
create schema personas;  
go
```

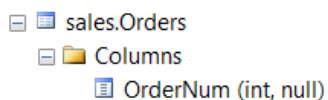
Messages Client Statistics
Command(s) completed successfully.



3. Создание таблицы

```
create table sales.Orders(OrderNum int null);  
go
```

Messages Client Statistics
Command(s) completed successfully.



4. Создание бэкапа

```
backup database NewDatabase  
to disk = 'D:\study\DB\lab1\POLINA_KRUKOVICH.bak'  
with differential;
```

Messages Client Statistics
Processed 56 pages for database 'NewDatabase', file 'NewDatabase' on file 2.
Processed 2 pages for database 'NewDatabase', file 'NewDatabase_log' on file 2.
BACKUP DATABASE WITH DIFFERENTIAL successfully processed 58 pages in 0.018 seconds (24.766 MB/sec).

```
use master;  
go
```

```
drop database NewDatabase;  
go
```

Messages Client Statistics
Command(s) completed successfully.

Databases
+ System Databases
+ ReportServer\$SQLEXPRESS
+ ReportServer\$SQLEXPRESSTempDB

```
restore database NewDatabase  
from disk = 'D:\study\DB\lab1\POLINA_KRUKOVICH.bak';  
go
```

Messages Client Statistics
Processed 296 pages for database 'NewDatabase', file 'NewDatabase' on file 1.
Processed 3 pages for database 'NewDatabase', file 'NewDatabase_log' on file 1.
RESTORE DATABASE successfully processed 299 pages in 0.016 seconds (145.874 MB/sec).

NewDatabase
+ Database Diagrams
+ Tables
+ System Tables
+ FileTables
+ sales.Orders
+ Views
+ Synonyms
+ Programmability
+ Service Broker
+ Storage
+ Security
+ Users
+ Roles
+ Schemas
+ db_accessadmin
+ db_backupoperator
+ db_datareader
+ db_datawriter
+ db_ddladmin
+ db_denydatareader
+ db_denydatawriter
+ db_owner
+ db_securityadmin
+ dbo
+ guest
+ INFORMATION_SCHEMA
+ personas
+ sales

Задание 2 (в. 7)

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

```
select count(DepartmentID) as DepartmentCount
from HumanResources.Department
where GroupName = 'Executive General and Administration';
go
```

Results		Messages
	DepartmentCount	
1	5	

2. Вывести на экран 5 самых молодых сотрудников.

```
select top 5 BusinessEntityID, JobTitle, Gender, BirthDate
from HumanResources.Employee
order by BirthDate desc;
go
```

Results

Messages

	BusinessEntit...	JobTitle	Gen...	BirthDate
1	115	Production Technician - WC50	F	1985-07-01
2	69	Production Technician - WC60	M	1985-05-07
3	133	Production Technician - WC40	M	1985-02-04
4	144	Production Technician - WC20	M	1984-12-05
5	209	Production Technician - WC45	F	1984-12-02

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

```
select
    BusinessEntityID,
    JobTitle,
    Gender,
    HireDate,
    replace(LoginID, 'adventure-works', 'adventure-works2012')
from HumanResources.Employee
where Gender = 'F' and datename(dw, HireDate) = 'Tuesday';
```

Results		Messages			
	BusinessEntit...	JobTitle	Gender	HireDate	(No column name)
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