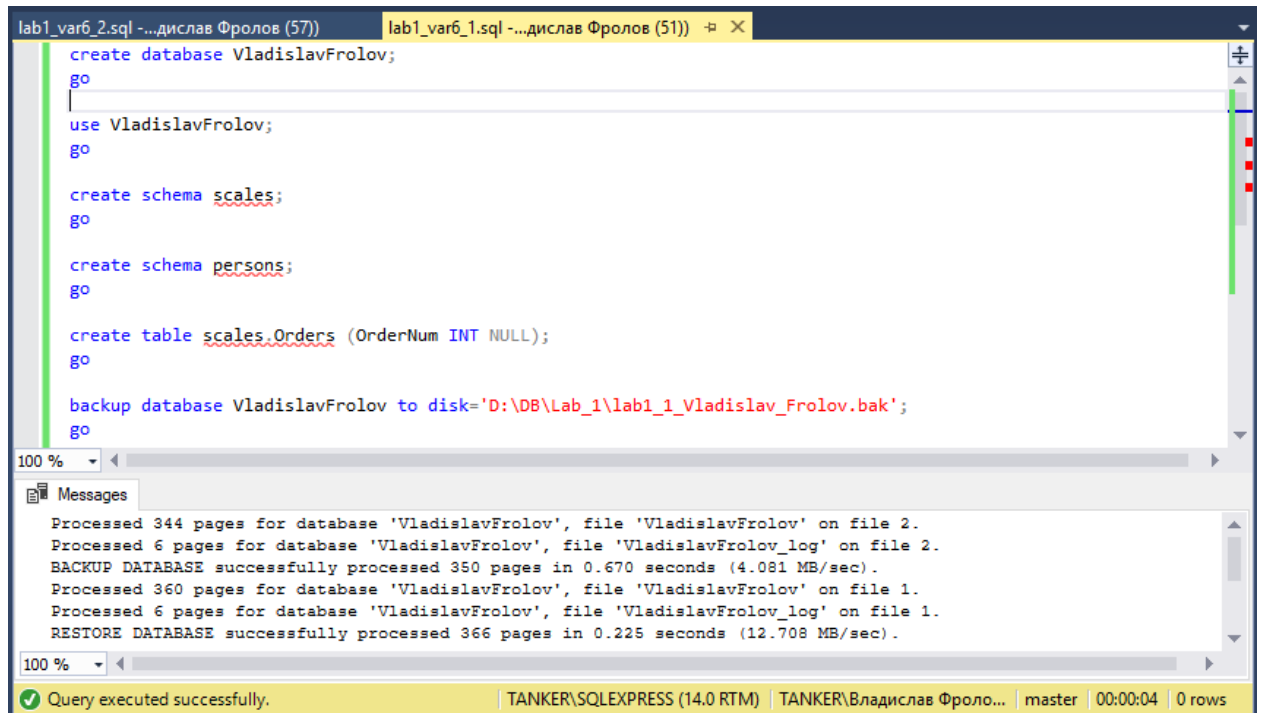


Лабораторная работа №1 (Вариант 6) Фролов Владислав

Часть 1



The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a SQL script with the following commands:

```
create database VladislavFrolov;  
go  
  
use VladislavFrolov;  
go  
  
create schema scales;  
go  
  
create schema persons;  
go  
  
create table scales.Orders (OrderNum INT NULL);  
go  
  
backup database VladislavFrolov to disk='D:\DB\Lab_1\lab1_1_Vladislav_Frolov.bak';  
go
```

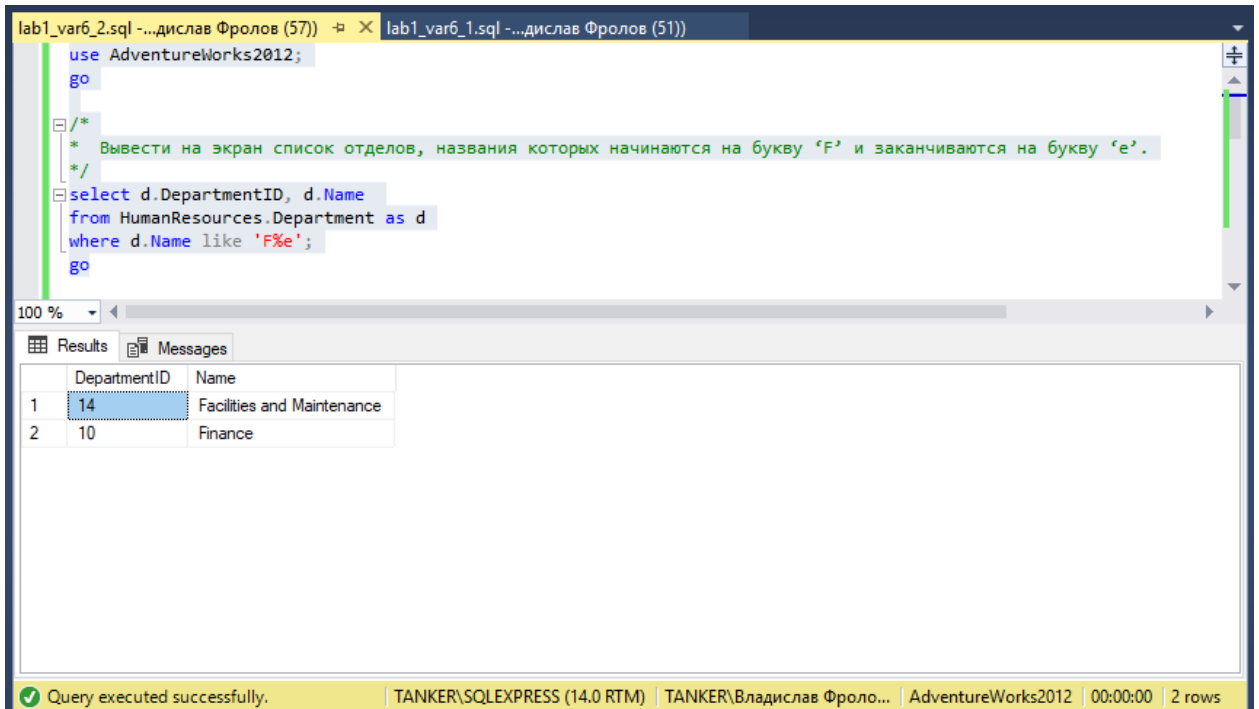
The bottom pane, titled "Messages", shows the execution results:

```
Processed 344 pages for database 'VladislavFrolov', file 'VladislavFrolov' on file 2.  
Processed 6 pages for database 'VladislavFrolov', file 'VladislavFrolov_log' on file 2.  
BACKUP DATABASE successfully processed 350 pages in 0.670 seconds (4.081 MB/sec).  
Processed 360 pages for database 'VladislavFrolov', file 'VladislavFrolov' on file 1.  
Processed 6 pages for database 'VladislavFrolov', file 'VladislavFrolov_log' on file 1.  
RESTORE DATABASE successfully processed 366 pages in 0.225 seconds (12.708 MB/sec).
```

The status bar at the bottom indicates: "Query executed successfully." | TANKER\SQLEXPRESS (14.0 RTM) | TANKER\Владислав Фроло... | master | 00:00:04 | 0 rows

Часть 2

задание 2.1



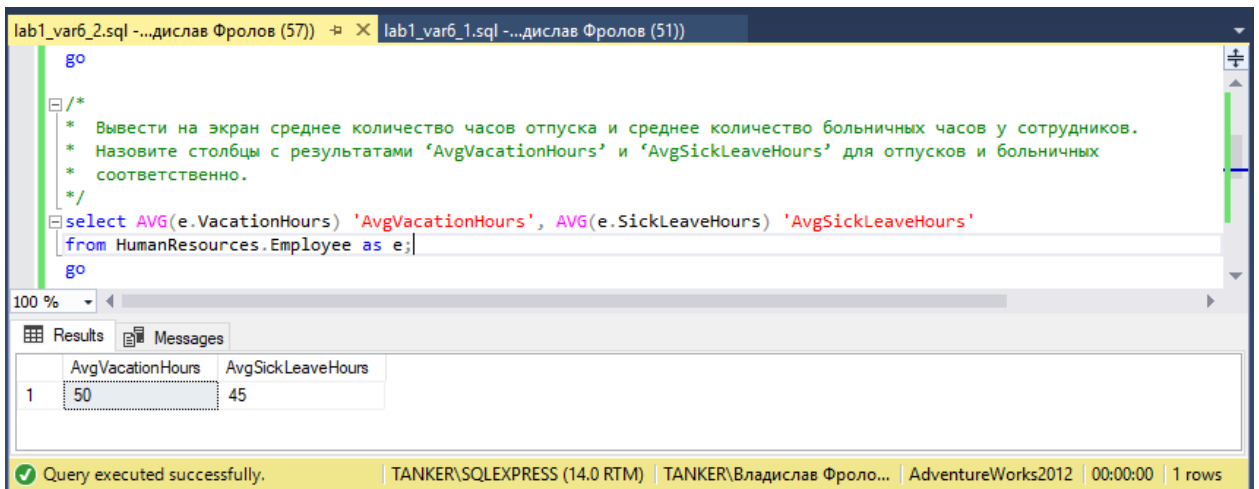
```
use AdventureWorks2012;
go

/*
 * Вывести на экран список отделов, названия которых начинаются на букву 'F' и заканчиваются на букву 'e'.
 */
select d.DepartmentID, d.Name
from HumanResources.Department as d
where d.Name like 'F%e';
go
```

	DepartmentID	Name
1	14	Facilities and Maintenance
2	10	Finance

Query executed successfully. TANKER\SQLEXPRESS (14.0 RTM) TANKER\Владислав Фроло... AdventureWorks2012 00:00:00 2 rows

задание 2.2



```
go

/*
 * Вывести на экран среднее количество часов отпуска и среднее количество больничных часов у сотрудников.
 * Назовите столбцы с результатами 'AvgVacationHours' и 'AvgSickLeaveHours' для отпусков и больничных
 * соответственно.
 */
select AVG(e.VacationHours) 'AvgVacationHours', AVG(e.SickLeaveHours) 'AvgSickLeaveHours'
from HumanResources.Employee as e;
go
```

	AvgVacationHours	AvgSickLeaveHours
1	50	45

Query executed successfully. TANKER\SQLEXPRESS (14.0 RTM) TANKER\Владислав Фроло... AdventureWorks2012 00:00:00 1 rows

задание 2.3

The screenshot shows a SQL Server Enterprise Manager window with two tabs: 'lab1_var6_2.sql' and 'lab1_var6_1.sql'. The active tab displays a SQL query with Russian comments. The query selects employee data from the 'HumanResources.Employee' table, filtering for those older than 65. The results pane shows 20 rows of data with columns: BusinessEntityID, Job Title, Gender, and YearsWorked. The status bar at the bottom indicates the query was executed successfully, returning 20 rows in 00:00:00.

```
-- Вывести на экран сотрудников, которым больше 65-ти лет на настоящий момент.  
-- Вывести также количество лет, прошедших с момента трудоустройства, в столбце с именем 'YearsWorked'.  
*/  
select e.BusinessEntityID, e.JobTitle, e.Gender, DATEDIFF(YEAR, e.HireDate, CURRENT_TIMESTAMP) 'YearsWorked'  
from HumanResources.Employee as e  
where DATEDIFF(YEAR, e.BirthDate, CURRENT_TIMESTAMP) > 65;  
go
```

	BusinessEntityID	Job Title	Gender	YearsWorked
1	5	Design Engineer	F	17
2	6	Design Engineer	M	17
3	12	Tool Designer	M	17
4	27	Production Su...	F	17
5	40	Production Su...	F	17
6	48	Production Te...	F	17
7	49	Production Te...	M	17
8	50	Production Te...	M	17
9	51	Production Te...	M	17
10	52	Production Te...	F	17
11	53	Production Te...	F	17
12	55	Production Su...	M	17
13	62	Production Su...	M	17
14	63	Production Te...	M	15
15	84	Production Te...	M	15
16	140	Production Te...	M	15
17	231	Janitor	F	15

Query executed successfully. | TANKER\SQLEXPRESS (14.0 RTM) | TANKER\Владислав Фролов... | AdventureWorks2012 | 00:00:00 | 20 rows