

Задание 1.

Результаты выполнения запросов:

1.1

	BusinessEntityID	JobTitle	AvgRate
1	1	Chief Executive Officer	125,50
2	2	Vice President of Engineering	63,4615
3	3	Engineering Manager	43,2692
4	4	Senior Tool Designer	20,7287
5	5	Design Engineer	32,6923
6	6	Design Engineer	32,6923
7	7	Research and Development Manager	50,4808
8	8	Research and Development Engineer	40,8654
9	9	Research and Development Engineer	40,8654
10	10	Research and Development Manager	42,4808
11	11	Senior Tool Designer	28,8462
12	12	Tool Designer	25,00
13	13	Tool Designer	25,00
14	14	Senior Design Engineer	36,0577
15	15	Design Engineer	32,6923
16	16	Marketing Manager	30,0833
17	17	Marketing Assistant	13,4615
18	18	Marketing Specialist	14,4231
19	19	Marketing Assistant	13,4615
20	20	Marketing Assistant	13,4615
21	21	Marketing Specialist	14,4231
22	22	Marketing Specialist	14,4231
23	23	Marketing Specialist	14,4231
24	24	Marketing Specialist	14,4231
25	25	Vice President of Production	84,1346
26	26	Production Control Manager	24,5192

Query executed successfully. DESKTOP-I261Q1N\SQLEXPRESS ... DESKTOP-I261Q1N\eqxba ... AdventureWorks 00:00:00 290 rows

1.2

	BusinessEntityID	JobTitle	Rate	RateReport
1	1	Chief Executive Officer	125,50	More than 100
2	2	Vice President of Engineering	63,4615	More than 50 but less or equal 100
3	3	Engineering Manager	43,2692	Less or equal 50
4	4	Senior Tool Designer	8,62	Less or equal 50
5	4	Senior Tool Designer	23,72	Less or equal 50
6	4	Senior Tool Designer	29,8462	Less or equal 50
7	5	Design Engineer	32,6923	Less or equal 50
8	6	Design Engineer	32,6923	Less or equal 50
9	7	Research and Development Manager	50,4808	More than 50 but less or equal 100
10	8	Research and Development Engineer	40,8654	Less or equal 50
11	9	Research and Development Engineer	40,8654	Less or equal 50
12	10	Research and Development Manager	42,4808	Less or equal 50
13	11	Senior Tool Designer	28,8462	Less or equal 50
14	12	Tool Designer	25,00	Less or equal 50
15	13	Tool Designer	25,00	Less or equal 50
16	14	Senior Design Engineer	36,0577	Less or equal 50
17	15	Design Engineer	32,6923	Less or equal 50
18	16	Marketing Manager	24,00	Less or equal 50
19	16	Marketing Manager	28,75	Less or equal 50
20	16	Marketing Manager	37,50	Less or equal 50
21	17	Marketing Assistant	13,4615	Less or equal 50
22	18	Marketing Specialist	14,4231	Less or equal 50
23	19	Marketing Assistant	13,4615	Less or equal 50
24	20	Marketing Assistant	13,4615	Less or equal 50
25	21	Marketing Specialist	14,4231	Less or equal 50
26	22	Marketing Specialist	14,4231	Less or equal 50

Query executed successfully. DESKTOP-I261Q1N\SQLEXPRESS ... DESKTOP-I261Q1N\eqxba ... AdventureWorks 00:00:00 316 rows

1.3

	Name	MaxRate
1	Engineering	63,4615
2	Sales	72,1154
3	Production	84,1346
4	Executive	125,50

Задание 2.

Новые объекты:

Таблица:

```
CREATE TABLE [dbo].[StateProvince] (  
    [StateProvinceID] INT NOT NULL  
    , [StateProvinceCode] NCHAR(3) NOT NULL  
    , [CountryRegionCode] NVARCHAR(3) NOT NULL  
    , [IsOnlyStateProvinceFlag] FLAG NOT NULL  
    , [Name] NAME NOT NULL  
    , [TerritoryID] INT NOT NULL  
    , [ModifiedDate] DATETIME NOT NULL);
```

Функция для проверки домена колонки TerritoryID:

```
GO  
CREATE FUNCTION [dbo].[IsMadeOfEvenDigits](@value INT)  
RETURNS BIT  
AS  
BEGIN  
    DECLARE @lastDigit INT;  
    WHILE (@value <> 0)  
    BEGIN  
        SET @lastDigit = @value % 10;  
        IF ((@lastDigit % 2) <> 0)  
            RETURN 0;  
        SET @value = (@value - @lastDigit) / 10;  
    END;  
    RETURN 1  
END;  
GO
```

Результаты выполнения запросов:

2.a-d, f

Command(s) completed successfully.

2.e

(9 row(s) affected)

Данные в таблице после вставки:

	StateProvinceID	StateProvinceCode	CountryRegionCode	IsOnlyStateProvinceFlag	Name	TerritoryID	ModifiedDate
1	6	AZ	US	0	Arizona	2	2008-03-11 10:17:21.587
2	9	CA	US	0	California	2	2008-03-11 10:17:21.587
3	10	CO	US	0	Colorado	2	2008-03-11 10:17:21.587
4	15	FL	US	0	Florida	2	2008-03-11 10:17:21.587
5	32	MD	US	0	Maryland	2	2008-03-11 10:17:21.587
6	36	MN	US	0	Minnesota	2	2008-03-11 10:17:21.587
7	63	QC	CA	0	Quebec	2	2008-03-11 10:17:21.587
8	73	TX	US	0	Texas	2	2008-03-11 10:17:21.587
9	79	WA	US	0	Washington	2	2008-03-11 10:17:21.587

Query executed successfully.

DESKTOP-I261Q1N\SQLEXPRESS ... DESKTOP-I261Q1N\eqxba ... AdventureWorks 00:00:00 9 rows