Лабораторная работа № 3

Вариант 5

Задание №1.

a)

b)

c)

d)

```sql
select e.* from dbo.Employee e
JOIN Person.Person p ON e.BusinessEntityID = p.BusinessEntityID
WHERE p.EmailPromotion = 0;
```

100 %

Results | Messages

	BusinessEntit...	NationalIDNum...	LoginID	JobTi...	BirthDate	MaritalStat...	Gen...	HireDate	VacationHo...	SickLeaveHo...	ModifiedD...	EmpNum
1	252	792847334	adventure-works\arvind0	Buyer	1968-09-21	M	M	2003-04-01	60	50	2008-07-31	2
2	253	407505660	adventure-works\linda2	Buyer	1964-12-31	M	F	2004-01-18	56	48	2008-07-31	3
3	254	482810518	adventure-works\fukiko0	Buyer	1964-12-25	M	M	2004-02-05	57	48	2008-07-31	4
4	255	466142721	adventure-works\gord...	Buyer	1960-12-30	M	M	2004-02-12	52	46	2008-07-31	5
5	256	367453993	adventure-works\frank2	Buyer	1946-06-13	M	M	2004-02-24	58	49	2008-07-31	6
6	258	785853949	adventure-works\erin0	Buyer	1965-02-04	S	F	2004-03-03	53	46	2008-07-31	8
7	259	20269531	adventure-works\ben0	Buyer	1967-07-05	M	M	2004-04-09	55	47	2008-07-31	9

```sql
DELETE dbo.Employee FROM dbo.Employee e
JOIN Person.Person p on p.BusinessEntityID = e.BusinessEntityID
WHERE p.EmailPromotion = 0;
```
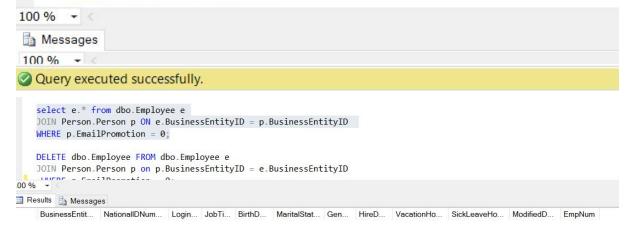
100 %

Messages

100 %

✅ Query executed successfully.

```sql
select e.* from dbo.Employee e
JOIN Person.Person p ON e.BusinessEntityID = p.BusinessEntityID
WHERE p.EmailPromotion = 0;

DELETE dbo.Employee FROM dbo.Employee e
JOIN Person.Person p on p.BusinessEntityID = e.BusinessEntityID
WHERE p.EmailPromotion = 0;
```

100 %

Results | Messages

	BusinessEntit...	NationalIDNum...	Login...	JobTi...	BirthD...	MaritalStat...	Gen...	HireD...	VacationHo...	SickLeaveHo...	ModifiedD...	EmpNum

e)

```sql
SELECT *
FROM AdventureWorks2012.INFORMATION_SCHEMA.CONSTRAINT_TABLE_USAGE
WHERE TABLE_SCHEMA = 'dbo' AND TABLE_NAME = 'Employee';

SELECT default_constraints.*
FROM sys.all_columns
INNER JOIN sys.tables ON all_columns.object_id = tables.object_id
INNER JOIN sys.schemas ON tables.schema_id = schemas.schema_id
INNER JOIN sys.default_constraints ON all_columns.default_object_id = default_constraints.object_id
WHERE schemas.name = 'dbo' AND tables.name = 'Employee';
```

100 %

Results | Messages

	TABLE_CATALOG	TABLE_SCHE...	TABLE_NA...	CONSTRAINT_CATAL...	CONSTRAINT_SCHE...	CONSTRAINT_NAME
1	AdventureWorks2012	dbo	Employee	AdventureWorks2012	dbo	UC_NationalIDNumber
2	AdventureWorks2012	dbo	Employee	AdventureWorks2012	dbo	chk_vacation_hours_mb_positive

	name	object_id	principal...	schema...	parent_object...	ty...	type_desc	create_date	modify_date	is_ms_shipp...	is_publish...	is_schema_publis...	parent_colu...
1	DF_VacationHours	663673412	NULL	1	615673241	D	DEFAULT_CONSTRAINT	2020-10-31 13:41:55.827	2020-10-31 13:41:55.827	0	0	0	9

```sql
ALTER TABLE dbo.Employee DROP COLUMN EmpNum;
ALTER TABLE dbo.Employee DROP CONSTRAINT UC_NationalIDNumber, chk_vacation_hours_mb_positive, DF_VacationHours;
```

100 %

Messages

Command(s) completed successfully.

```sql
SELECT *
FROM AdventureWorks2012.INFORMATION_SCHEMA.CONSTRAINT_TABLE_USAGE
WHERE TABLE_SCHEMA = 'dbo' AND TABLE_NAME = 'Employee';

SELECT default_constraints.*
FROM sys.all_columns
INNER JOIN sys.tables ON all_columns.object_id = tables.object_id
INNER JOIN sys.schemas ON tables.schema_id = schemas.schema_id
INNER JOIN sys.default_constraints ON all_columns.default_object_id = default_constraints.object_id
WHERE schemas.name = 'dbo' AND tables.name = 'Employee';

ALTER TABLE dbo.Employee DROP COLUMN EmpNum;
ALTER TABLE dbo.Employee DROP CONSTRAINT UC_NationalIDNumber, chk_vacation_hours_mb_positive, DF_VacationHours;
```

100 % ▼

Results | Messages

TABLE_CATAL...	TABLE_SCHE...	TABLE_NA...	CONSTRAINT_CATAL...	CONSTRAINT_SCHE...	CONSTRAINT_NA...

name	object...	principal...	schema...	parent_object...	ty...	type_d...	create_d...	modify_d...	is_ms_shipp...	is_publish...	is_schema_publis...	parent_column...	definiti...	is_system_nam...

f)

```sql
DROP TABLE dbo.Employee;
```

100 % ▼

Messages

Command(s) completed successfully.

Задание №2.

a)

```sql
SQLQuery1.sql - D...2S6CB\margo (55))*  ×  V15_1.sql - DESKT...Q2S6

USE AdventureWorks2012;

ALTER TABLE dbo.Employee
ADD SumTotal MONEY,
    SumTaxAmt MONEY,
    WithoutTax AS (SumTaxAmt - SumTotal);
```

100 % ▼

Messages

Command(s) completed successfully.

b)

```sql
SELECT e.BusinessEntityID, e.NationalIDNumber, e.LoginID,
e.JobTitle, e.BirthDate, e.MaritalStatus, e.Gender, e.HireDate,
e.VacationHours, e.SickLeaveHours, e.ModifiedDate, e.SumTotal, e.SumTaxAmt
INTO #Employee
FROM dbo.Employee e
WHERE 1 = 0
```

100 % ▼

Messages

(0 row(s) affected)

100 % ▼

✅ Query executed successfully.   DESKTOP-BQ2S6CB\SQLE

c)

```sql
INSERT INTO #Employee
    (BusinessEntityID, NationalIDNumber, LoginID, JobTitle, BirthDate, MaritalStatus,
    Gender, HireDate, VacationHours, SickLeaveHours, ModifiedDate, SumTotal, SumTaxAmt)
SELECT e.BusinessEntityID, e.NationalIDNumber, e.LoginID, e.JobTitle, e.BirthDate, e.MaritalStatus,
    e.Gender, e.HireDate, e.VacationHours, e.SickLeaveHours, e.ModifiedDate, e.SumTotal, e.SumTaxAmt
FROM dbo.Employee e
```

100 % ▼

Messages

(9 row(s) affected)

```sql
SELECT SumTaxAmt, SumTotal FROM #Employee;
```

100 % ▼

Results | Messages

	SumTaxAmt	SumTo...
1	NULL	NULL
2	NULL	NULL
3	NULL	NULL
4	NULL	NULL
5	NULL	NULL
6	NULL	NULL
7	NULL	NULL
8	NULL	NULL
9	NULL	NULL

```sql
UPDATE #Employee
SET #Employee.SumTotal = f.sum1, #Employee.SumTaxAmt = f.sum2
FROM #Employee
INNER JOIN
(
    SELECT EmployeeID, SUM(TotalDue) sum1, SUM(TaxAmt) sum2
    FROM Purchasing.PurchaseOrderHeader
    GROUP BY EmployeeID
) f ON #Employee.BusinessEntityID = f.EmployeeID
SELECT SumTaxAmt, SumTotal FROM #Employee;
```

100 % ▼

Results | Messages

	SumTaxAmt	SumTotal
1	537873,7177	7426610,6434
2	215633,5762	2978027,3706
3	537441,5337	7423411,2039
4	476653,9121	6578521,3325
5	456478,9729	6305115,8315
6	474407,8164	6552648,5738
7	502647,294	6942815,7662
8	402407,664	5556272,2301
9	375459,337	5186032,1159

d)

```sql
SELECT * FROM dbo.Employee WHERE MaritalStatus = 'S';
DELETE FROM dbo.Employee WHERE MaritalStatus = 'S';
SELECT * FROM dbo.Employee WHERE MaritalStatus = 'S';
```

100 %

Results | Messages

	BusinessEntit...	NationalIDNum...	LoginID	JobTi...	BirthDate	MaritalStat...	Gen...	HireDate	VacationHo...	SickLeaveHo...	ModifiedD...	SumTo...	Su
1	251	603686790	adventure-works\mikael0	Buyer	1978-09-18	S	M	2003-03-14	144	49	2008-07-31	NULL	N
2	257	381073001	adventure-works\eric2	Buyer	1966-10-19	S	M	2004-02-28	144	47	2008-07-31	NULL	N
3	258	785853949	adventure-works\erin0	Buyer	1965-02-04	S	F	2004-03-03	144	46	2008-07-31	NULL	N

BusinessEntit...	NationalIDNum...	Login...	JobTi...	BirthD...	MaritalStat...	Gen...	HireD...	VacationHo...	SickLeaveHo...	ModifiedD...	SumTo...	SumTaxA...	WithoutT...	