Harjutus 3

Käsitöö pood nimega Pudi-padi tahab teha veebipoodi.

Nad vajavad järgnevate andmete säilitamist.

Iga töötajat saaks sisestada, kus on kirjas nimi, email, telefoni nr ja aadress.

Kindlasti oleks näha, et mida keegi on müünud.

Iga toote kohta oleks olemas info, et mis tootega on tegemist.

Igal tootel on ka unikaalne id.

Püsiklientide nimekiri koos nende ostuajalooga.

Seda tööd teevad: Hõbesalu, Kessel, Luht ja Sabul.

Teha ERD draw.io-s või mõnes muus analoogses keskkonnas.

Peale ERD valmimist teha C# projekt, kus on domaini all samasugune ülesehitus.

Teha migratsioon andmebaasi.

C# projekt panna githubi.

Sisestada andmebaasi andmed ja igasse tabelisse kümme rida.
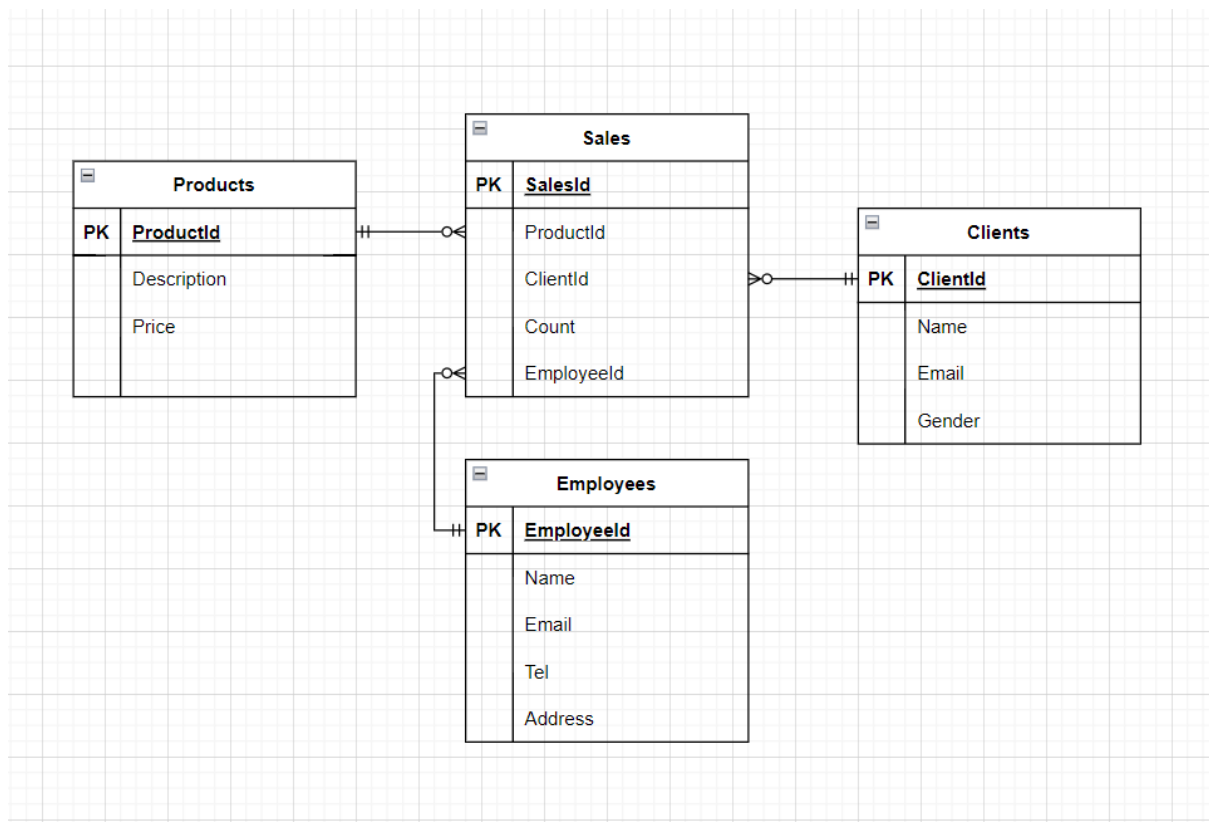
Teha üks omal valikul stored procedure päring.

Teha kolm JOIN päringut.

SQL koodi kirjutamisest teha dokumentatsioon niimoodi, et alguses on kood ja koheselt tuleb pilt tulemusest.

Kood peab olema teksti kujul.

Kogu töö koos draw.io ja päringutega panna githubi.

Kui valmis, siis saada link.

insert into Employee values(NEWID(),'Albert Kuusk','albert.K@gmail.com','564124','Tallinn, Silla all')

insert into Employee values(NEWID(),'Madrus Kask','mkask@gmail.com','4124','Poe all')
insert into Employee values(NEWID(),'Karl Tamm','ktamm@gmail.com','6345','Pärnu rand')
insert into Employee values(NEWID(),'Joosep Sild','jsild@gmail.com','22131','79651')
insert into Employee values(NEWID(),'Sarah Connor','sconnor@gmail.com','6546456','Talinn, Paide tn 3-4')
insert into Employee values(NEWID(),'Rian Johnson','rjohnson@gmail.com','234234','Maa')
insert into Employee values(NEWID(),'Diogenes','diogenes@gmail.com','9768','Eesti')
insert into Employee values(NEWID(),'John Johnson','jjohnson@gmail.com','12312','Rapla')
insert into Employee values(NEWID(),'Jessica Bean','jbean@gmail.com','524','Tallinn, Kristiine Prisma')
insert into Employee values(NEWID(),'Jonesy Night','jnight@gmail.com','2222222','Tallinn, Silla peal')
select * from Employee

	EmployeeId	Name	Email	Tel	Address
1	61A5A74D-60D0-470F-8EA7-00FBE6ABB266	Sarah Connor	sconnor@gmail.com	6546456	Talinn, Paide tn 3-4
2	6A50092B-1BE4-4952-A2E6-19F358F600E1	Joosep Sild	jsild@gmail.com	22131	79651
3	E74914B8-20C6-4F3E-BD35-57EC5488E764	Karl Tamm	ktamm@gmail.com	6345	Pärnu rand
4	47F50EB3-B665-48BB-B419-8799E1014C53	John Johnson	jjohnson@gmail.com	12312	Rapla
5	DEC70460-B93D-4FD8-8AF4-8ED311C43F02	Jessica Bean	jbean@gmail.com	524	Tallinn, Kristiine Prisma
6	4582800C-6D38-44E3-81AB-C39294B33600	Albert Kuusk	albert.K@gmail.com	564124	Tallinn, Silla all
7	10C0BDDB-66D7-40D7-9425-E03DFE704409	Jonesy Night	jnight@gmail.com	2222222	Tallinn, Silla peal
8	C64CD725-EEAA-470A-B832-E66CCA5C0321	Rian Johnson	rjohnson@gmail.com	234234	Maa
9	9A3906AE-4818-4C2A-97EA-F32D29BE7F05	Diogenes	diogenes@gmail.com	9768	Eesti
10	255B7A02-498B-476E-B0DC-FED5EA983CE5	Madrus Kask	mkask@gmail.com	4124	Poe all

insert into Client values(NEWID(),'Jake Dog','jdog@gmail.com','Male')
insert into Client values(NEWID(),'Finn Human','fhuman@gmail.com','Male')
insert into Client values(NEWID(),'Elizabeth Second','esecond@gmail.com','Female')
insert into Client values(NEWID(),'Charles Miner','cminer@gmail.com','Male')
insert into Client values(NEWID(),'Grongo Banks','gbanks@gmail.com','Male')
insert into Client values(NEWID(),'Jeff Blume','jblume@gmail.com','Male')
insert into Client values(NEWID(),'Dagoth Ur','dagothur@gmail.com','Male')
insert into Client values(NEWID(),'Talos Tree','ttree@gmail.com','Male')
insert into Client values(NEWID(),'Gregor Bottle','gbottle@gmail.com','Male')
insert into Client values(NEWID(),'Franz Ferdinand','fferdinand@gmail.com','Male')
select * from Client

	ClientId	Name	Email	Gender
1	A026D21A-9993-444C-BCBE-096F18EE6033	Grongo Banks	gbanks@gmail.com	Male
2	CE94EE81-289C-48C7-B461-0C097D9C4758	Dagoth Ur	dagothur@gmail.com	Male
3	A23F4631-F11F-4B43-8A6D-577F35FEC951	Franz Ferdinand	fferdinand@gmail.com	Male
4	340B0B31-CA28-4601-9BE2-BA50581AABB7	Jake Dog	jdog@gmail.com	Male
5	3C55DF9F-7DCE-4D36-BC29-BF431DCD0F39	Charles Miner	cminer@gmail.com	Male
6	DF16C441-6ED3-4333-8793-DCDE53A588F0	Gregor Bottle	gbottle@gmail.com	Male
7	B46B3F1D-34C9-4E35-BC2B-DDE7C8450EB3	Elizabeth Second	esecond@gmail.com	Female
8	06DEC1B3-0016-4FB1-A7E0-E415DC235436	Finn Human	fhuman@gmail.com	Male
9	12B44221-7726-48A2-9197-F8622EBAFE4A	Talos Tree	ttree@gmail.com	Male
10	DE71CE67-6D43-417F-BC85-FBAA9620C653	Jeff Blume	jblume@gmail.com	Male

```sql
insert into Product values(NEWID(),'Candle',1)
insert into Product values(NEWID(),'Pudi',5)
insert into Product values(NEWID(),'Padi',5)
insert into Product values(NEWID(),'Flour',3)
insert into Product values(NEWID(),'Concrete',50)
insert into Product values(NEWID(),'Grass',3)
insert into Product values(NEWID(),'Dirt',10)
insert into Product values(NEWID(),'Sand',20)
insert into Product values(NEWID(),'Mud',15)
insert into Product values(NEWID(),'Water',5)
select * from Product
```

	ProductId	Description	Price
1	5FDA082A-2D15-4484-A285-0F9A64BF55D5	Flour	3
2	4C502506-0AA6-4B36-8CAE-1A7B63BD1B96	Mud	15
3	EA6837DB-F736-4B24-A61E-34755AE31DA9	Dirt	10
4	B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E	Pudi	5
5	25686DA6-C890-43A8-95FB-5FDC87B30E91	Concrete	50
6	729237F3-154E-4ACE-99BB-9C2754AFC1DB	Sand	20
7	935FCAB5-E130-4734-BD00-AF1F6528ABAF	Water	5
8	36585244-D1CF-4E25-B97F-C61FBACFB006	Padi	5
9	A1FFBA27-2F24-4AEA-AD3B-CB9C97F97861	Grass	3
10	2F368284-3684-471B-8EE0-DF6FEFD09189	Candle	1

```sql
insert into EmployeeSale
values(NEWID(),'61a5a74d-60d0-470f-8ea7-00fbe6abb266','935FCAB5-E130-4734-BD00-AF1F6528ABAF',5)
insert into EmployeeSale
values(NEWID(),'6a50092b-1be4-4952-a2e6-19f358f600e1','36585244-D1CF-4E25-B97F-C61FBACFB006',3)
insert into EmployeeSale
values(NEWID(),'255b7a02-498b-476e-b0dc-fed5ea983ce5','5FDA082A-2D15-4484-A285-0F9A64BF55D5',2)
insert into EmployeeSale
values(NEWID(),'61a5a74d-60d0-470f-8ea7-00fbe6abb266','36585244-D1CF-4E25-B97F-C61FBACFB006',1)
insert into EmployeeSale
values(NEWID(),'10c0bddb-66d7-40d7-9425-e03dfe704409','5FDA082A-2D15-4484-A285-0F9A64BF55D5',2)
insert into EmployeeSale
values(NEWID(),'6a50092b-1be4-4952-a2e6-19f358f600e1','B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E',3)
insert into EmployeeSale
values(NEWID(),'61a5a74d-60d0-470f-8ea7-00fbe6abb266','5FDA082A-2D15-4484-A285-0F9A64BF55D5',4)
```

```sql
insert into EmployeeSale
values(NEWID(),'255b7a02-498b-476e-b0dc-fed5ea983ce5','36585244-D1CF-4E25-B97F-C61FBACFB006',100)
insert into EmployeeSale
values(NEWID(),'10c0bddb-66d7-40d7-9425-e03dfe704409','5FDA082A-2D15-4484-A285-0F9A64BF55D5',6)
insert into EmployeeSale
values(NEWID(),'61a5a74d-60d0-470f-8ea7-00fbe6abb266','B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E',5)
select * from EmployeeSale
```

	SaleId	EmployeeId	ProductId	Count
1	70A79D4C-ADB1-4926-9E5B-095FBAB3A25C	61A5A74D-60D0-470F-8EA7-00FBE6ABB266	B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E	5
2	35A38F82-7A6E-4CD7-9624-0F53D85C4230	61A5A74D-60D0-470F-8EA7-00FBE6ABB266	36585244-D1CF-4E25-B97F-C61FBACFB006	1
3	FA4A3D56-1080-4DC3-8DCA-0F7F43903373	255B7A02-498B-476E-B0DC-FED5EA983CE5	36585244-D1CF-4E25-B97F-C61FBACFB006	100
4	01A1C2EC-9D77-453B-9B1D-51A580120A81	61A5A74D-60D0-470F-8EA7-00FBE6ABB266	935FCAB5-E130-4734-BD00-AF1F6528ABAF	5
5	86EF04FA-5FB7-49C4-8184-55087673C2AF	10C0BDDB-66D7-40D7-9425-E03DFE704409	5FDA082A-2D15-4484-A285-0F9A64BF55D5	2
6	9E9EA6ED-D87D-450F-AE27-6367929A4314	10C0BDDB-66D7-40D7-9425-E03DFE704409	5FDA082A-2D15-4484-A285-0F9A64BF55D5	6
7	32C8C8E7-3A45-49BC-BAAE-77A1D0D1AFBC	255B7A02-498B-476E-B0DC-FED5EA983CE5	5FDA082A-2D15-4484-A285-0F9A64BF55D5	2
8	335A0A5A-587A-427E-894A-BEB82724220A	6A50092B-1BE4-4952-A2E6-19F358F600E1	B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E	3
9	5FD88C25-7F17-49CB-88B0-D530E8393E6D	61A5A74D-60D0-470F-8EA7-00FBE6ABB266	5FDA082A-2D15-4484-A285-0F9A64BF55D5	5
10	BF0517E7-29A4-4076-B440-EABDC035363B	61A5A74D-60D0-470F-8EA7-00FBE6ABB266	5FDA082A-2D15-4484-A285-0F9A64BF55D5	4
11	38DD595C-DE03-4331-B7FB-EEEEAFFE9803	6A50092B-1BE4-4952-A2E6-19F358F600E1	36585244-D1CF-4E25-B97F-C61FBACFB006	3

```sql
insert into PurchaseHistory
values(NEWID(),'A026D21A-9993-444C-BCBE-096F18EE6033','935FCAB5-E130-4734-BD00-AF1F6528ABAF',5)
insert into PurchaseHistory
values(NEWID(),'CE94EE81-289C-48C7-B461-0C097D9C4758','36585244-D1CF-4E25-B97F-C61FBACFB006',3)
insert into PurchaseHistory
values(NEWID(),'DF16C441-6ED3-4333-8793-DCDE53A588F0','5FDA082A-2D15-4484-A285-0F9A64BF55D5',2)
insert into PurchaseHistory
values(NEWID(),'340B0B31-CA28-4601-9BE2-BA50581AABB7','36585244-D1CF-4E25-B97F-C61FBACFB006',1)
insert into PurchaseHistory
values(NEWID(),'DF16C441-6ED3-4333-8793-DCDE53A588F0','5FDA082A-2D15-4484-A285-0F9A64BF55D5',2)
insert into PurchaseHistory
values(NEWID(),'340B0B31-CA28-4601-9BE2-BA50581AABB7','B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E',3)
insert into PurchaseHistory
values(NEWID(),'DF16C441-6ED3-4333-8793-DCDE53A588F0','5FDA082A-2D15-4484-A285-0F9A64BF55D5',4)
insert into PurchaseHistory
values(NEWID(),'DF16C441-6ED3-4333-8793-DCDE53A588F0','36585244-D1CF-4E25-B97F-C61FBACFB006',100)
insert into PurchaseHistory
values(NEWID(),'38DD595C-DE03-4331-B7FB-EEEEAFFE9803','5FDA082A-2D15-4484-A285-0F9A64BF55D5',6)
```

```
insert into PurchaseHistory
values(NEWID(),'38DD595C-DE03-4331-B7FB-EEEEAFFE9803','B9F50E2F-A0BE-40EF-B
19B-46A2B4247C5E',5)
select * from PurchaseHistory
```

	PurchaseHistoryId	ClientId	ProductId	Count
1	47B17C00-8D9F-40B3-9364-042DB83229A4	DF16C441-6ED3-4333-8793-DCDE53A588F0	5FDA082A-2D15-4484-A285-0F9A64BF55D5	2
2	1BF0E65B-2888-4477-8DA0-16EBBD753554	38DD595C-DE03-4331-B7FB-EEEEAFFE9803	B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E	5
3	AF8826F3-0B99-4A0E-B19E-3C445109E520	DF16C441-6ED3-4333-8793-DCDE53A588F0	5FDA082A-2D15-4484-A285-0F9A64BF55D5	4
4	E49B6F8F-5318-4E14-AAB4-4D7E44863F16	CE94EE81-289C-48C7-B461-0C097D9C4758	36585244-D1CF-4E25-B97F-C61FBACFB006	3
5	AA790FBC-5D75-49D5-8289-5B7238A5FB10	38DD595C-DE03-4331-B7FB-EEEEAFFE9803	5FDA082A-2D15-4484-A285-0F9A64BF55D5	6
6	930457CB-50BA-4EAB-9783-67E4BF780B74	DF16C441-6ED3-4333-8793-DCDE53A588F0	5FDA082A-2D15-4484-A285-0F9A64BF55D5	2
7	D763F008-71E7-486E-96FF-913C3B41EE82	A026D21A-9993-444C-BCBE-096F18EE6033	935FCAB5-E130-4734-BD00-AF1F6528ABAF	5
8	F1FFA6B4-7C4B-451D-9167-AA7AF96FF81A	340B0B31-CA28-4601-9BE2-BA50581AABB7	B9F50E2F-A0BE-40EF-B19B-46A2B4247C5E	3
9	C91A03A2-70D2-4E44-8D91-B618AEC80868	DF16C441-6ED3-4333-8793-DCDE53A588F0	36585244-D1CF-4E25-B97F-C61FBACFB006	100
10	3585F8CF-DBD4-4D78-81D4-DE81BDBD4CED	340B0B31-CA28-4601-9BE2-BA50581AABB7	36585244-D1CF-4E25-B97F-C61FBACFB006	1

```
Select Client.Name, Product.Description, PurchaseHistory.Count
from Client
join PurchaseHistory
on PurchaseHistory.ClientId = Client.ClientId
join Product
on Product.ProductId = PurchaseHistory.ProductId;
```

	Name	Description	Count
1	Gregor Bottle	Flour	2
2	Gregor Bottle	Flour	4
3	Dagoth Ur	Padi	3
4	Gregor Bottle	Flour	2
5	Grongo Banks	Water	5
6	Jake Dog	Pudi	3
7	Gregor Bottle	Padi	100
8	Jake Dog	Padi	1

```
Select Employee.Name, Product.Description, EmployeeSale.Count
from Employee
join EmployeeSale
on EmployeeSale.EmployeeId = Employee.EmployeeId
join Product
on Product.ProductId = EmployeeSale.ProductId;
```

	Name	Description	Count
1	Sarah Connor	Pudi	5
2	Sarah Connor	Padi	1
3	Madrus Kask	Padi	100
4	Sarah Connor	Water	5
5	Jonesy Night	Flour	2
6	Jonesy Night	Flour	6
7	Madrus Kask	Flour	2
8	Joosep Sild	Pudi	3
9	Sarah Connor	Flour	5
10	Sarah Connor	Flour	4
11	Joosep Sild	Padi	3

```
Select Employee.Name as EmployeeName, Client.Name as ClientName,
Product.Description as Product, EmployeeSale.Count
from Employee
join EmployeeSale
on EmployeeSale.EmployeeId = Employee.EmployeeId
join Product
on Product.ProductId = EmployeeSale.ProductId
join PurchaseHistory
on PurchaseHistory.ProductId = Product.ProductId
join Client
on Client.ClientId = PurchaseHistory.ClientId;

Select Product.Description, EmployeeSale.Count, Employee.Name
from EmployeeSale
join Product
on Product.ProductId = EmployeeSale.ProductId
join Employee
on Employee.EmployeeId = EmployeeSale.EmployeeId
```

	Description	Count	Name
1	Pudi	5	Sarah Connor
2	Padi	1	Sarah Connor
3	Padi	100	Madrus Kask
4	Water	5	Sarah Connor
5	Flour	2	Jonesy Night
6	Flour	6	Jonesy Night
7	Flour	2	Madrus Kask
8	Pudi	3	Joosep Sild
9	Flour	5	Sarah Connor
10	Flour	4	Sarah Connor
11	Padi	3	Joosep Sild

```
CREATE PROCEDURE SelectAllClients
AS
```

```
        Select * from Client
GO;
```

EXEC SelectAllClients

	ClientId	Name	Email	Gender
1	A026D21A-9993-444C-BCBE-096F18EE6033	Grongo Banks	gbanks@gmail.com	Male
2	CE94EE81-289C-48C7-B461-0C097D9C4758	Dagoth Ur	dagothur@gmail.com	Male
3	A23F4631-F11F-4B43-8A6D-577F35FEC951	Franz Ferdinand	fferdinand@gmail.com	Male
4	340B0B31-CA28-4601-9BE2-BA50581AABB7	Jake Dog	jdog@gmail.com	Male
5	3C55DF9F-7DCE-4D36-BC29-BF431DCD0F39	Charles Miner	cminer@gmail.com	Male
6	DF16C441-6ED3-4333-8793-DCDE53A588F0	Gregor Bottle	gbottle@gmail.com	Male
7	B46B3F1D-34C9-4E35-BC2B-DDE7C8450EB3	Elizabeth Second	esecond@gmail.com	Female
8	06DEC1B3-0016-4FB1-A7E0-E415DC235436	Finn Human	fhuman@gmail.com	Male
9	12B44221-7726-48A2-9197-F8622EBAFE4A	Talos Tree	ttree@gmail.com	Male