

Q1

```
1 • use FinalProject;
2   -- Task 4
3   -- Q1
4 • Select count(distinct name) as '# Customers with Balance > $0' from vwCustomerService
5   where balance >0;
6 • Select distinct name, balance from vwCustomerService
7   where balance >0;
8
```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

Customers with Balance > \$0
2

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1 • use FinalProject;
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3   -- Q1
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8
```

< Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

name	Balance
Kalie Gratton	102.80
Bat Scamel	34.06

Q2 –Looked at previous readings too

```
9   -- Q2
10 • Select distinct currreadingdate, prevmeterreadingdate,| meternumber, address from vwReader;
11
12   -- Q3
```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

CurrReadingDate	PrevMeterReadingDate	MeterNumber	Address
2019-05-15	2019-04-15	27	36 Laurel Center Canyon TX 79015
2019-06-15	2019-05-15	27	36 Laurel Center Canyon TX 79015
2019-07-15	2019-06-15	27	36 Laurel Center Canyon TX 79015
2019-11-23	2019-10-23	16	656 Weeping Birch Avenue Canyon TX 79016
NULL	2019-11-23	40	502 Meadow Valley Park Canyon TX 79015

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Q3

```
12 -- Q3
13 • select name, activationdt, address, meternumber, prevmeterreading, prevmeterreadingdate, currreadingdate, currmeterreading, billdate, billnumber, cost, paymentdate, amount
14 from vwcustomerservice;
15
16
17
18 -- Q4
```

	name	activationdt	address	meternumber	PrevmeterReading	PrevmeterReadingDate	CurrReadingDate	currmeterreading	billdate	billnumber	cost	paymentdate	amount
▶	Johnath Dun	2020-05-06	2768 Clarendon Trail Canyon TX 79015	5	3851.00	2020-05-06	2020-06-06	4060.00	2020-06-06	1002	71.06	2020-06-07	71.06
	Johnath Dun	2020-05-06	2768 Clarendon Trail Canyon TX 79015	5	4060.00	2020-06-06	NULL	NULL	NULL	NULL	NULL	NULL	NULL
	Kalle Gratton	2019-04-15	36 Laurel Center Canyon TX 79015	27	211.00	2019-04-15	2019-05-15	411.00	2019-05-15	1001	98.00	2019-05-20	98.00
	Kalle Gratton	2019-04-15	36 Laurel Center Canyon TX 79015	27	411.00	2019-05-15	2019-06-15	670.00	2019-06-15	1003	126.91	2019-06-20	126.91
	Kalle Gratton	2019-04-15	36 Laurel Center Canyon TX 79015	27	670.00	2019-06-15	2019-07-15	830.00	2019-07-15	1004	78.40	2019-07-16	78.40
	Kalle Gratton	2018-09-21	07245 Dotie Junction Canyon TX 79015	48	1350.00	2018-09-21	2018-10-21	1870.00	2018-10-21	1007	202.80	2018-10-22	100.00
	Kalle Gratton	2018-09-21	07245 Dotie Junction Canyon TX 79015	48	1870.00	2018-10-21	NULL	NULL	NULL	NULL	NULL	NULL	NULL
	Kalle Gratton	2019-04-15	36 Laurel Center Canyon TX 79015	27	830.00	2019-07-15	NULL	NULL	NULL	NULL	NULL	NULL	NULL
	Ruperta Horsewood	2019-10-23	656 Weeping Birch Avenue Canyon TX 79016	16	400.00	2019-10-23	2019-11-23	730.00	2019-11-23	2007	135.30	2019-11-25	100.00
	Ruperta Horsewood	2019-10-23	656 Weeping Birch Avenue Canyon TX 79016	16	400.00	2019-10-23	2019-11-23	730.00	2019-11-23	2007	135.30	2019-12-10	35.30
	Ruperta Horsewood	2018-09-03	502 Meadow Valley Park Canyon TX 79015	40	730.00	2019-11-23	NULL	NULL	NULL	NULL	NULL	NULL	NULL
	Bat Scamel	2018-08-19	656 Weeping Birch Avenue Canyon TX 79016	16	269.00	2018-08-19	2018-09-19	400.00	2018-09-19	2006	34.06	NULL	NULL
	Roxi Falvey	2017-12-04	22509 Holmberg Point Canyon TX 79016	56	341.00	2017-12-04	2018-01-05	612.00	2017-12-04	1005	102.98	2017-12-06	102.98
	Roxi Falvey	2017-12-04	22509 Holmberg Point Canyon TX 79016	56	612.00	2018-01-05	2018-02-05	890.00	2018-01-05	1006	105.64	2018-01-08	105.64
	Roxi Falvey	2017-12-04	22509 Holmberg Point Canyon TX 79016	56	890.00	2018-02-05	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Q4

```
18 -- Q4
19 • Select count(MeterReadingID) from MeterReading
20 join Employee CurrReader on MeterReading.currReederID = CurrReader.EmployeeID
21 join Employee PrevReader on PrevReader.EmployeeID = MeterReading.PrevReederID
22 where
23 (CurrReader.name = 'Genvieve Creighton' or PrevReader.Name = 'Genvieve Creighton')
24 and (MeterReading.currReadingDate >='2019-05-01' and MeterReading.currReadingDate <='2019-12-30'
25 and MeterReading.prevmeterReadingDate >='2019-05-01' and MeterReading.prevmeterReadingDate <='2019-12-30');
26
```

	count(MeterReadingID)
▶	3

Q5

```
27 -- Q5
28 • Select BillNumber, billdate, prevmeterreading, prevmeterreadingdate, prevreadername, CurrMeterreading, CurrReadingDate, currReaderName
29 from vwManager
30
31 where BillNumber in ('1004', '1005', '1002')
32 group by BillNumber;
33
34
35 -- Q6
```

billnumber	billdate	PrevmeterReading	PrevmeterReadingDate	PrevReaderName	currmeterreading	CurrReadingDate	CurrReaderName
1002	2020-06-06	3851.00	2020-05-06	Lancelot Tschiersch	4060.00	2020-06-06	Bernita Munson
1004	2019-07-15	670.00	2019-06-15	Genvieve Creighton	830.00	2019-07-15	Gaspar McCaskill
1005	2017-12-04	341.00	2017-12-04	Cherye Buey	612.00	2018-01-05	Gaspar McCaskill

Q6

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```
35  -- Q6
36  • Select name, sum(Consumption)
37  from meterreading
38  join bill on bill.meterreadingid = meterreading.meterreadingid
39  join customercontractaddrassoc ccaa on ccaa.customercontractaddrassocid = meterreading.customercontractaddrassocid
40  join customer on customer.customerid = ccaa.customerid
41  where currreadingdate >= '2019-05-01' and currreadingdate < '2019-12-30'
42  group by name
43  order by sum(Consumption) desc limit 1;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows:
name	sum(Consumption)			
Kalie Gratton	619.00			

Q7

```
47  -- Q7
48  • Select avg(Consumption)
49  from meterreading
50  join bill on bill.meterreadingid = meterreading.meterreadingid
51  where currreadingdate >= '2019-05-01' and currreadingdate <= '2019-12-30';
52
53  -- Q8
54  • select name, avg(Consumption)
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
avg(Consumption)			
237.250000			

Q8

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```
53 -- Q8
54 • select name, SUM(consumption)
55 from meterreading
56 join bill on bill.meterreadingid = meterreading.meterreadingid
57 join customercontractaddrassoc ccaa on ccaa.customercontractaddrassocid = meterreading.customercontractaddrassocid
58 join customer on customer.customerid = ccaa.customerid
59 where currreadingdate >= '2019-05-01' and currreadingdate < '2019-12-30'
60 group by name
61 having SUM(consumption) > 237.25 ;
62
63
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

name	SUM(consumption)
Kalie Gratton	619.00
Ruperta Horsewood	330.00

4.2

Q1

```
1 -- Task 4.2
2 -- Q1
3 • Insert into Customer (CustomerID, Name) values ('1111', 'John Doe');
4 • select max(addressid) from address; -- 9
5 • Insert into Address (AddressID, Address) values (10, '12345 East Yale Av. Canyon TX');
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

CustomerID	Name
47	Melania Hailey
113	Johnath Dun
454	Kalie Gratton
856	Ruperta Horsewood
1010	Bat Scamel
1111	John Doe
1125	Roxi Falvey
2001	Tulley Reidshaw
NULL	NULL

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```

4 • select max(addressid) from address; -- 9
5 • Insert into Address (AddressID, Address) values (10, '12345 East Yale Av. Canyon TX');
6 • Select * from Customer;
7 • select * from Address;
8 -- Q2

```

AddressID	Address	AddressType
1	86333 Maywood Road Canyon TX 79016	
2	2768 Clarendon Trail Canyon TX 79015	
3	36 Laurel Center Canyon TX 79015	
4	07245 Dottie Junction Canyon TX 79015	
5	656 Weeping Birch Avenue Canyon TX 79016	
6	502 Meadow Valley Park Canyon TX 79015	
7	1 Stuart Point Canyon TX 79015	
8	22509 Holmberg Point Canyon TX 79016	
9	562 Kim Trail Canyon TX 79015	
10	12345 East Yale Av. Canyon TX	NULL
NULL	NULL	NULL

Q2

✓ 1408 01:15:14 insert into meterreading (meterreadingid, customercontractaddressid, meterid, currreederid, notes) values (15, 6, 6, 216, 'needs reading') 1 row(s) affected

✓ 1409 01:15:17 insert into meterreading (meterreadingid, customercontractaddressid, meterid, currreederid, notes) values (16, 7, 7, 216, 'needs reading') 1 row(s) affected

Q3

✓ 1422 01:27:05 update meterreading set currReadingDate = '2022-07-01', currMeterReading = 110, notes = " where meterreadingid = 15 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

✓ 1423 01:27:07 update meterreading set currReadingDate = '2022-07-02', currMeterReading = 95, notes = " where meterreadingid = 16 1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0

```

19 • select * from meterreading;
20 -- Q4

```

MeterReadingID	CurrReadingDate	CurrMeterReading	CustomerContractAddrAssocID	MeterID	CurrReederID	PrevMeterReadingDate	PrevMeterReading	PrevReederID	Notes
4	2019-06-15	670.00	3	3	216	2019-05-15	411.00	216	NULL
5	2019-07-15	830.00	3	3	337	2019-06-15	670.00	216	NULL
6	2018-10-21	1870.00	4	4	230	2018-09-21	1350.00	230	NULL
7	NULL	NULL	4	4	NULL	2018-10-21	1870.00	230	needs reading
8	NULL	NULL	3	3	NULL	2019-07-15	830.00	337	needs reading
9	2019-11-23	730.00	5	5	216	2019-10-23	400.00	382	NULL
10	NULL	NULL	6	5	NULL	2019-11-23	730.00	216	needs reading
11	2018-09-19	400.00	8	5	261	2018-08-19	269.00	261	NULL
12	2018-01-05	612.00	9	8	337	2017-12-04	341.00	382	NULL
13	2018-02-05	890.00	9	8	337	2018-01-05	612.00	337	NULL
14	NULL	NULL	9	8	NULL	2018-02-05	890.00	337	needs reading
15	2022-07-01	110.00	6	6	216	NULL	NULL	NULL	
16	2022-07-02	95.00	7	7	216	NULL	NULL	NULL	

Q4

✓ 1444 01:45:53 insert into bill (billid, billnumber, billdate, balance, consumption, cost, meterreadingid, customercontra... 2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0

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```
38 • select * from bill;
```

[illegible]