

SCREENSHOTS FOR SQL QUERY

1.a.

The screenshot shows a SQL query in the 'Query Editor' window. The query is as follows:

```
Use Keys
Go
--1.a.Display a list of all property names and their property id's for Owner Id: 1426
SELECT P.Name AS PropertyName, P.Id AS PropertyID, P.AddressId, P.PropertyTypeId, OP.OwnerId, OP.OwnershipStatusId
FROM dbo.Property P
INNER JOIN dbo.OwnerProperty OP ON P.id=OP.PropertyId
WHERE OP.OwnerId=1426
ORDER BY PropertyName
--*****
```

The 'Results' pane shows the following data:

	PropertyName	PropertyID	AddressId	PropertyTypeId	OwnerId	OwnershipStatusId
1	Bl property 1	5597	12491	1	1426	1
2	Bl property 2	5637	12658	1	1426	1
3	Bl property 3	5638	12659	1	1426	1

1.b.

The screenshot shows a SQL query in the 'Query Editor' window. The query is as follows:

```
--1.b. Display the current home value for each property in question a).
SELECT P.Name AS PropertyName, OP.OwnerId, OP.PropertyId, PHV.Value
FROM dbo.Property P
INNER JOIN dbo.OwnerProperty OP ON P.id=OP.PropertyId
INNER JOIN dbo.PropertyHomeValue PHV ON P.ID=PHV.PropertyId AND PHV.IsActive=1
WHERE OP.OwnerId=1426
ORDER BY PropertyName
--*****
```

The 'Results' pane shows the following data:

	PropertyName	OwnerId	PropertyId	Value
1	Bl property 1	1426	5597	45.00
2	Bl property 2	1426	5637	4500000.00
3	Bl property 3	1426	5638	3000000.00

1.c.i.

```

--1.c.i. For each property in question a), return the following:
--Using rental payment amount, rental payment frequency, tenant start date and
--tenant end date to write a query that returns the sum of all payments from start date to end date.
SELECT
    P.Name PropertyName,
    OP.OwnerId,
    PS.FirstName+' '+PS.LastName OwnerName,
    OP.PropertyId,
    PHV.Value HomeValue,
    TPF.Name FrequencyPay,
    CAST(TP.PaymentAmount AS numeric(20)) Payment,
    TP.StartDate,
    TP.EndDate,
    CASE WHEN TP.PaymentFrequencyId=1 THEN DATEDIFF(WEEK, TP.StartDate, tp.EndDate)*TP.PaymentAmount
        WHEN TP.PaymentFrequencyId=2 THEN (DATEDIFF(WEEK, TP.StartDate, tp.EndDate)/2)*TP.PaymentAmount
        WHEN TP.PaymentFrequencyId=3 THEN DATEDIFF(MONTH, TP.StartDate, tp.EndDate)*TP.PaymentAmount
    END SumOfAllPayment
FROM dbo.Property P
    INNER JOIN dbo.OwnerProperty OP ON P.id=OP.PropertyId
    RIGHT JOIN dbo.Person PS ON OP.OwnerId=PS.Id
    INNER JOIN dbo.TenantProperty TP ON OP.PropertyId=TP.PropertyId
    INNER JOIN dbo.TenantPaymentFrequencies TPF ON TP.PaymentFrequencyId=TPF.Id
    INNER JOIN dbo.PropertyHomeValue PHV ON P.ID=PHV.PropertyId AND PHV.IsActive=1
WHERE OP.OwnerId=1426
ORDER BY PropertyName

```

	PropertyName	OwnerId	OwnerName	PropertyId	HomeValue	FrequencyPay	Payment	StartDate	EndDate	SumOfAllPayment
1	Bl property 1	1426	Mark Hudson	5597	45.00	Weekly	300	2018-01-01 00:00:00.000	2018-12-31 00:00:00.000	15600.00
2	Bl property 2	1426	Mark Hudson	5637	4500000.00	Fortnightly	400	2018-01-01 00:00:00.000	2018-12-31 00:00:00.000	10400.00
3	Bl property 3	1426	Mark Hudson	5638	3000000.00	Monthly	1000	2018-01-01 13:28:00.000	2018-12-31 13:28:00.000	11000.00

1.c.ii.

```

--1.c.ii. Display the yield
SELECT P.Name PropertyName, OP.OwnerId, PS.FirstName+' '+PS.LastName AS OwnerName, PF.Yield
FROM Property P
    INNER JOIN OwnerProperty OP ON P.ID=OP.PropertyId
    INNER JOIN Person PS ON PS.Id=OP.OwnerId
    INNER JOIN PropertyFinance PF ON P.Id=PF.PropertyId
WHERE OP.OwnerId=1426
ORDER BY PropertyName

```

	PropertyName	OwnerId	OwnerName	Yield
1	Bl property 1	1426	Mark Hudson	10000.00
2	Bl property 2	1426	Mark Hudson	8000.00
3	Bl property 3	1426	Mark Hudson	12000.00

1.d.

```
--1.d Display all the jobs available in the marketplace (jobs that owners have advertised for service suppliers).
SELECT DISTINCT P.Name PropertyName, PS.FirstName+' '+PS.LastName PropertyOwnerName, C.Name ServiceSupplierName,
C.Website ServiceSupplierWebsite, JQ.Status JobAdvertisedStatus
FROM dbo.Property P
INNER JOIN dbo.OwnerProperty OP ON P.id=OP.PropertyId
INNER JOIN dbo.Person PS ON OP.OwnerId=PS.Id
INNER JOIN dbo.ServiceProvider SP ON PS.ID=SP.ID
INNER JOIN dbo.Company C ON SP.CompanyID=C.ID
INNER JOIN dbo.JobQuote JQ on SP.Id=JQ.ProviderID
WHERE JQ.Status IN ('Opening')
ORDER BY PropertyOwnerName
```

	PropertyName	PropertyOwnerName	ServiceSupplierName	ServiceSupplierWebsite	JobAdvertisedStatus
1	Max size is 2Mb an	Beryl Thomas	Amaze works	amaze.com	Opening
2	0930Auckland	Beryl Thomas	Amaze works	amaze.com	Opening
3	107Clonbern Road	Beryl Thomas	Amaze works	amaze.com	Opening
4	1110Great North Road	Beryl Thomas	Amaze works	amaze.com	Opening
5	112Great North Road	Beryl Thomas	Amaze works	amaze.com	Opening
6	1215Dominion Road	Beryl Thomas	Amaze works	amaze.com	Opening
7	1234Fenton Street	Beryl Thomas	Amaze works	amaze.com	Opening
8	123Dominion Road	Beryl Thomas	Amaze works	amaze.com	Opening
9	123Great South Road	Beryl Thomas	Amaze works	amaze.com	Opening
10	123Mount Wellington Highway	Beryl Thomas	Amaze works	amaze.com	Opening
11	131 Bruce McLaren Road	Beryl Thomas	Amaze works	amaze.com	Opening
12	2 photo test	Beryl Thomas	Amaze works	amaze.com	Opening
13	209 Ponsonby Road	Beryl Thomas	Amaze works	amaze.com	Opening
14	221Great South Road	Beryl Thomas	Amaze works	amaze.com	Opening
15	223Great North Road	Beryl Thomas	Amaze works	amaze.com	Opening
16	2342 State Highway 3	Beryl Thomas	Amaze works	amaze.com	Opening
17	2345678	Beryl Thomas	Amaze works	amaze.com	Opening
18	23489	Beryl Thomas	Amaze works	amaze.com	Opening
19	234Dominion Road	Beryl Thomas	Amaze works	amaze.com	Opening
20	234Great South Road	Beryl Thomas	Amaze works	amaze.com	Opening
21	235Great South Road	Beryl Thomas	Amaze works	amaze.com	Opening
22	238Great North Road	Beryl Thomas	Amaze works	amaze.com	Opening
23	238Queen Street	Beryl Thomas	Amaze works	amaze.com	Opening

1.e.

```
--e. Display all property names, current tenants first and last names and rental payments
--per week/ fortnight/month for the properties in question a).
SELECT
P.Name PropertyName, OP.OwnerId, OP.PropertyId, PS.FirstName, PS.LastName, TPF.Name FrequencyPay, TP.PaymentAmount
FROM dbo.Property P
INNER JOIN dbo.OwnerProperty OP ON P.ID=OP.PropertyId
INNER JOIN dbo.TenantProperty TP ON OP.PropertyId=TP.PropertyId
INNER JOIN dbo.TenantPaymentFrequencies TPF ON TP.PaymentFrequencyId=TPF.Id
INNER JOIN dbo.PropertyHomeValue PHV ON P.ID=PHV.PropertyId AND PHV.IsActive=1
INNER JOIN dbo.Person PS ON TP.TenantId=PS.ID
WHERE OP.OwnerId=1426
ORDER BY PropertyName
```

	PropertyName	OwnerId	PropertyId	FirstName	LastName	FrequencyPay	PaymentAmount
1	BI property 1	1426	5597	Nick	Johnson	Weekly	300.00
2	BI property 2	1426	5637	BI	Tenant	Fortnightly	400.00
3	BI property 3	1426	5638	BI	Tenant	Monthly	1000.00