Task:
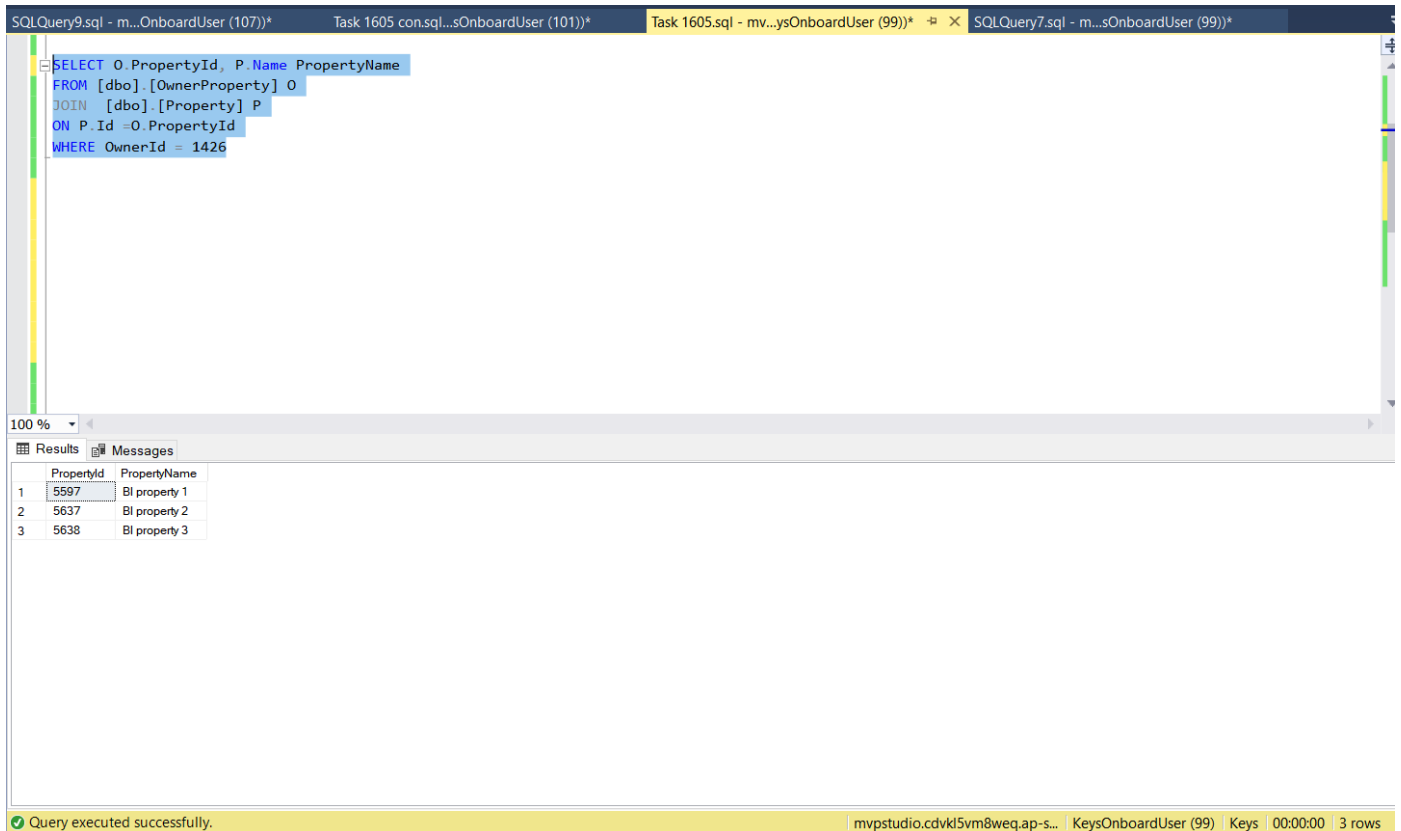
1. Write queries to return the following:

a.   Display a list of all property names and their property id's for Owner Id: 1426.

b. Display the current home value for each property in question a).

```sql
SELECT O.PropertyId, O.OwnerId, P.CurrentHomeValue
FROM [dbo].[PropertyFinance]P
JOIN [dbo].[OwnerProperty]O
ON P.PropertyId = O.PropertyId
WHERE OwnerId = 1426
```

100 %

Results | Messages

	PropertyId	OwnerId	CurrentHomeValue
1	5597	1426	45.00
2	5637	1426	4500000.00
3	5638	1426	3000000.00

Query executed successfully.   mvpstudio.cdvkl5vm8weq.ap-s... KeysOnboardUser (99) Keys 00:00:00 3 rows

c. For each property in question a), return the following:

i.   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.

```sql
SELECT P.Name as PropertyName, O.PropertyId, T.StartDate,T.EndDate, F.Name as PaymentFrequencies, R.Amount as RentalPaymentAmount,
CAST(ROUND(((CASE
WHEN F.[Name] = 'Weekly' THEN R.Amount*52
WHEN F.[Name] = 'Fortnightly' THEN R.Amount*26
WHEN F.[Name] = 'Monthly' THEN R.Amount*12
ELSE null END)/52)*DATEDIFF(Week,T.StartDate,T.EndDate),1) as INT) as TotalPayment
FROM [dbo].[OwnerProperty] O
JOIN [dbo].[Property] P ON O.PropertyId = P.Id
JOIN [dbo].[PropertyRentalPayment] R ON P.Id = R.PropertyId
JOIN [dbo].[PropertyHomeValue] V ON P.Id = V.PropertyId
JOIN [dbo].[TenantProperty] T ON O.PropertyId = T.PropertyId
JOIN [dbo].[TenantPaymentFrequencies] F ON T.PaymentFrequencyId = F.Id
WHERE O.OwnerId=1426
```

100 %

⊞ Results   ⊟ Messages

	PropertyName	PropertyId	StartDate	EndDate	PaymentFrequencies	RentalPaymentAmount	TotalPayment
1	BI property 1	5597	2018-01-01 00:00:00.000	2018-12-31 00:00:00.000	Weekly	300.00	15600
2	BI property 2	5637	2018-01-01 00:00:00.000	2018-12-31 00:00:00.000	Fortnightly	400.00	10400
3	BI property 3	5638	2018-01-01 13:28:00.000	2018-12-31 13:28:00.000	Monthly	45.00	540
4	BI property 3	5638	2018-01-01 13:28:00.000	2018-12-31 13:28:00.000	Monthly	45.00	540
5	BI property 3	5638	2018-01-01 13:28:00.000	2018-12-31 13:28:00.000	Monthly	3.00	36
6	BI property 3	5638	2018-01-01 13:28:00.000	2018-12-31 13:28:00.000	Monthly	3.00	36

ii.   Display the yield.

```sql
INNER JOIN [dbo].[TenantPaymentFrequencies] f ON t.[PaymentFrequencyId]=f.Id
WHERE o.OwnerId=1426

SELECT p.Name as PropertyName, o.PropertyId, t.[StartDate], f.[Name] as PaymentFrequencies, r.Amount as RentalPaymentAmount,
ISNULL (((CASE
WHEN f.[Name] = 'Weekly' THEN r.Amount*52
WHEN f.[Name] = 'Fortnightly' THEN r.Amount*26
WHEN f.[Name] = 'Monthly' THEN r.Amount*12
ELSE null END/52*DATEDIFF(Week,t.StartDate,t.EndDate)-Pf.[TotalExpense])/PF.[PurchasePrice]),0)*100 AS Yield
FROM [dbo].[OwnerProperty] o
INNER JOIN [dbo].[Property] p ON o.PropertyId = p.Id
INNER JOIN [dbo].[PropertyRentalPayment] r ON p.Id = r.[PropertyId]
INNER JOIN [dbo].[PropertyFinance] PF ON p.Id = PF.[PropertyId]
INNER JOIN [dbo].[TenantProperty] t ON o.PropertyId = t.PropertyId
INNER JOIN [dbo].[TenantPaymentFrequencies] f ON t.[PaymentFrequencyId]=f.Id
WHERE o.OwnerId=1426
```

	PropertyName	PropertyId	StartDate	PaymentFrequencies	RentalPaymentAmount	Yield
1	BI property 1	5597	2018-01-01 00:00:00.000	Weekly	300.00	34666.666600
2	BI property 2	5637	2018-01-01 00:00:00.000	Fortnightly	400.00	0.260000
3	BI property 3	5638	2018-01-01 13:28:00.000	Monthly	45.00	0.067400
4	BI property 3	5638	2018-01-01 13:28:00.000	Monthly	3.00	0.004400

Query executed successfully.

d. Display all the jobs available

```sql
select * from [dbo].[Job]
select * from [dbo].[Media]
select * from [dbo].[JobStatus]
select * from [dbo].[JobMedia]


SELECT J.[PropertyId],J.[JobDescription],JS.[Status] FROM
[dbo].[Job] J
JOIN [dbo].[JobMedia] M ON J.[Id]=M.[JobId]
JOIN [dbo].[JobStatus] JS ON JS.[Id]=J.[JobStatusId]
WHERE M.[IsActive]=1 and JS.[Status]='open'
```

	PropertyId	JobDescription	Status
1	60	lawn works vfbdfhcgvubhdbvhdvhjbhdf bhjfbhwbehfb...	Open
2	60	lawn works vfbdfhcgvubhdbvhdvhjbhdf bhjfbhwbehfb...	Open
3	60	lawn works vfbdfhcgvubhdbvhdvhjbhdf bhjfbhwbehfb...	Open
4	60	lawn works vfbdfhcgvubhdbvhdvhjbhdf bhjfbhwbehfb...	Open
5	19	test test	Open
6	60	Hex	Open
7	34	Hexxx	Open
8	34	trhrtvr	Open
9	4622	udya ye re	Open
10	4622	udya ye re	Open
11	4622	udya ye re	Open
12	4622	udya ye re	Open
13	5093	test 123 dasd	Open
14	5093	test 123 dasd	Open
15	5093	jkbhkjhjkhkjhkjhjkhkj	Open
16	5093	asdasdasdasdas	Open
17	5093	sadasdasdasdas	Open

Query executed successfully.

e. Display all property names, current tenants first and last names and rental payments per week/ fortnight/month for the properties in question a).

2. Use Report Builder or Visual Studio (SSRS) to develop the following report:

Expense Report of Property A

Current Owner : ABDC

Property Address : 231Great South Road

Property Details : 2 Badrooms, 2 Bathrooms

Rental Payment : $300 per Week

Expense	Amount	Date
Rate assessment	$300	20 Aug 2016
Rate assessment	$300	20 Aug 2016
Rate assessment	$300	20 Aug 2016
Rate assessment	$300	20 Aug 2016