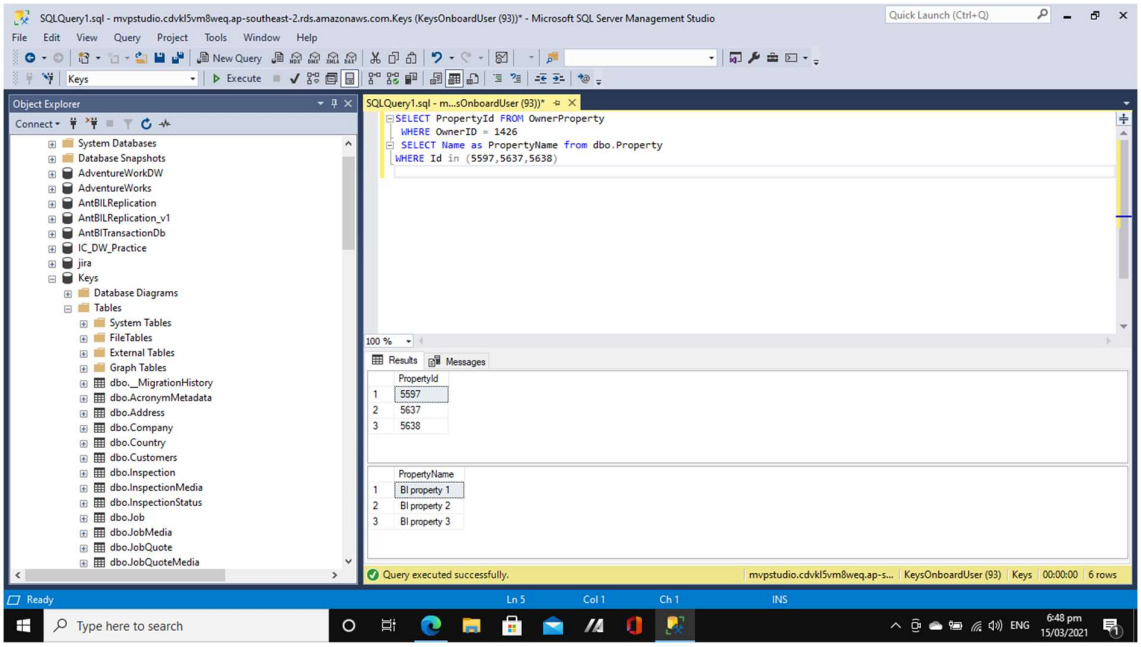
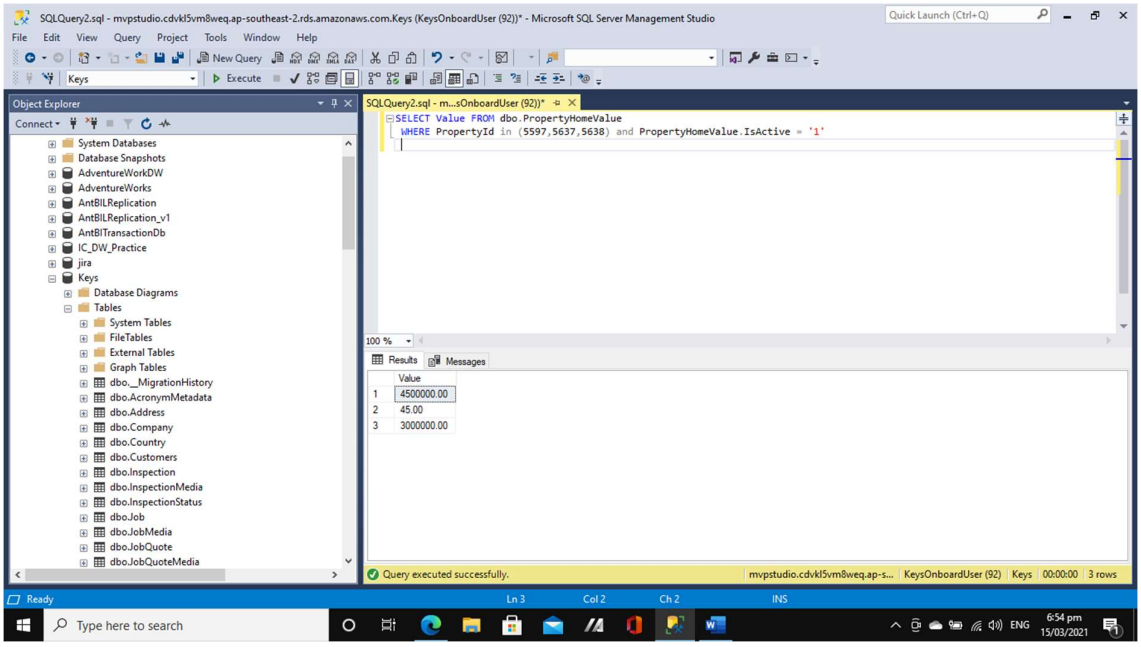
1, a, Display a list of all property names and their property id's for Owner Id: 1426

```
SELECT PropertyId FROM OwnerProperty

WHERE OwnerID = 1426

SELECT Name as PropertyName from dbo.Property

WHERE Id in (5597,5637,5638)
```



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

```
SELECT Value FROM dbo.PropertyHomeValue

WHERE PropertyId in (5597,5637,5638) and PropertyHomeValue.IsActive = '1'
```



a & b

SELECT PropertyHomeValue.PropertyId, Property.Name as PropertyName, PropertyHomeValue.Value

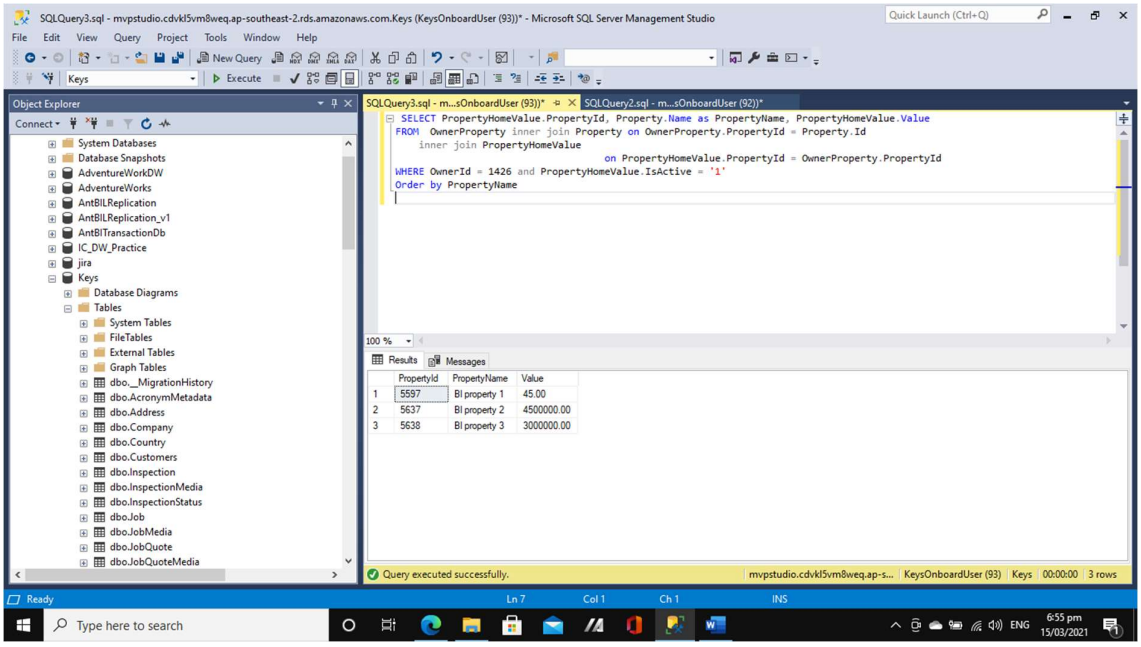
FROM OwnerProperty inner join Property on OwnerProperty.PropertyId = Property.Id

inner join PropertyHomeValue

on PropertyHomeValue.PropertyId = OwnerProperty.PropertyId

WHERE OwnerId = 1426 and PropertyHomeValue.IsActive = '1'

Order by PropertyName



c, 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.

SELECT p.Name as PropertyName, p.Id as PropertyID, hv.Value as PropertyValue, tp.StartDate, tp.EndDate, tp.PaymentAmount,

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

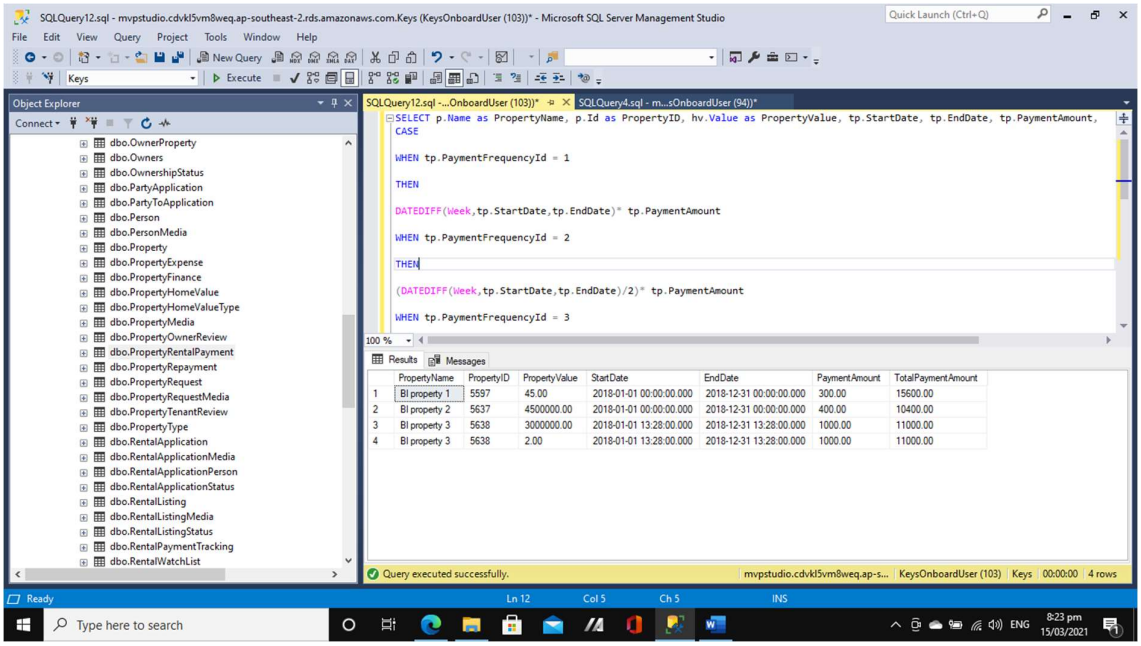
DATEDIFF(Month,tp.StartDate,tp.EndDate)* tp.PaymentAmount

ELSE ''

END TotalPaymentAmount

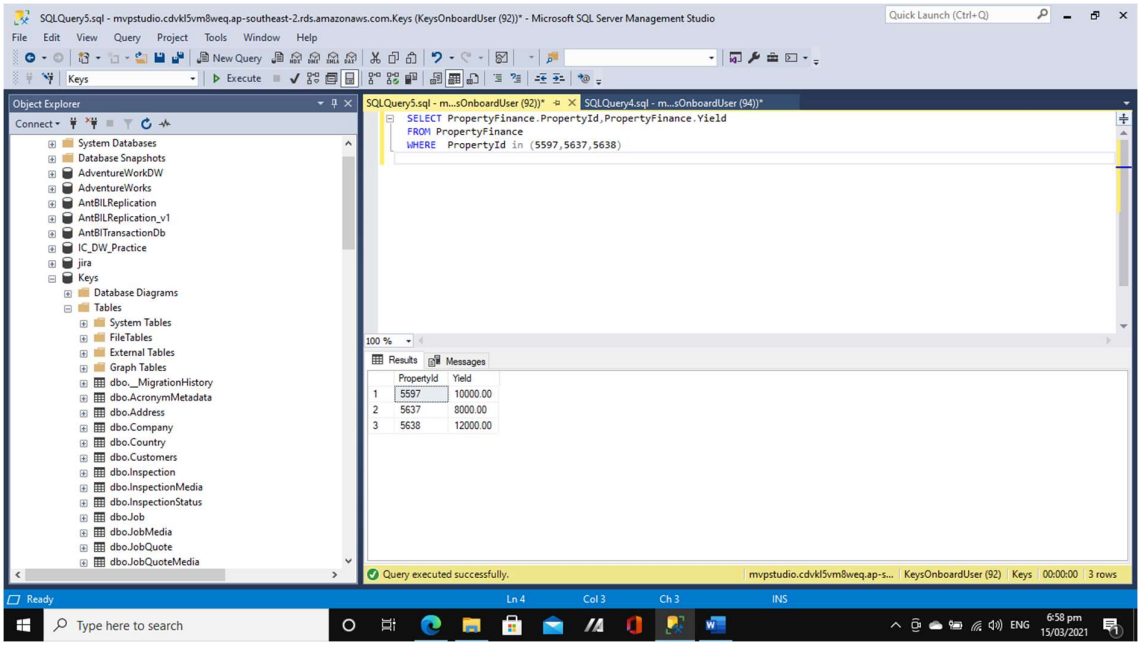
FROM Keys.dbo.Property as p

```
join Keys.dbo.OwnerProperty as op

on p.Id = op.PropertyId

join Keys.dbo.PropertyHomeValue as hv

on p.Id = hv.PropertyId

join Keys.dbo.TenantProperty tp

on p.Id = tp.PropertyId

WHERE op.OwnerId = 1426;
```



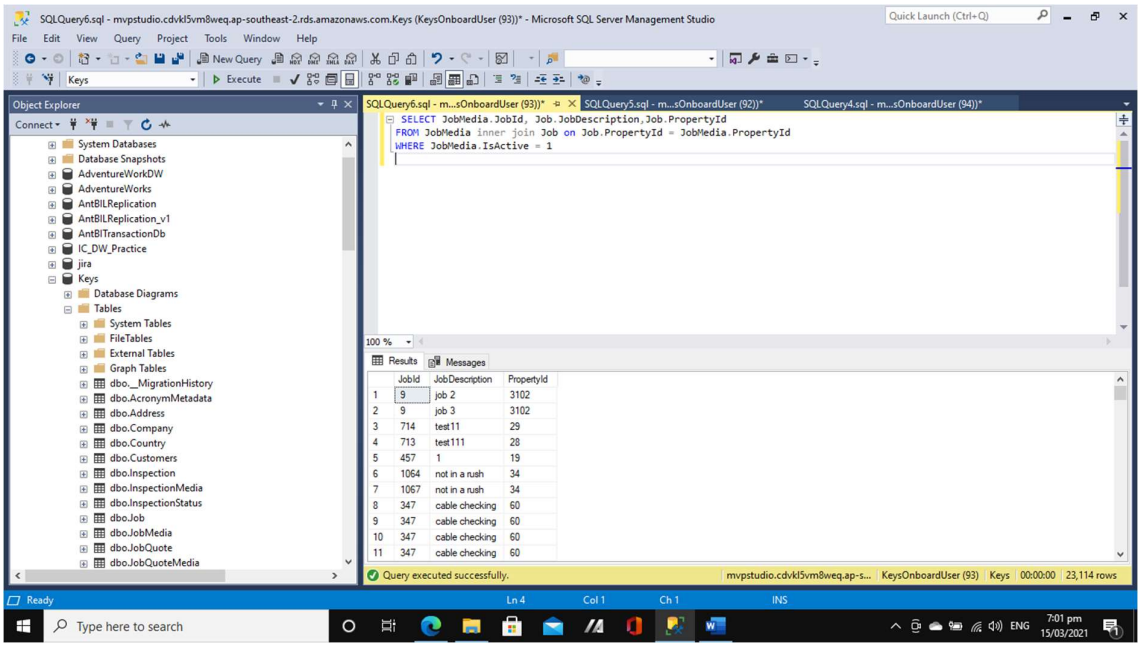
c,ii Display the yield.

```
SELECT PropertyFinance.PropertyId,PropertyFinance.Yield

FROM PropertyFinance

WHERE  PropertyId in (5597,5637,5638)
```



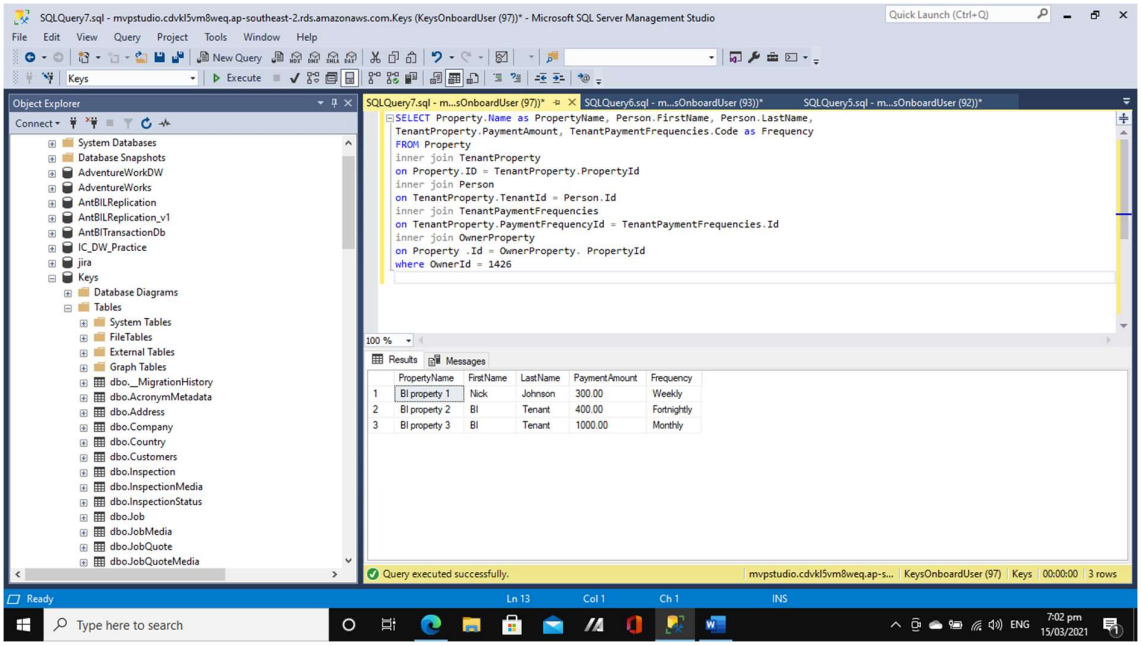
d,Display all the jobs available

```
SELECT JobMedia.JobId, Job.JobDescription,Job.PropertyId
FROM JobMedia inner join Job on Job.PropertyId = JobMedia.PropertyId
WHERE JobMedia.IsActive = 1
```



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

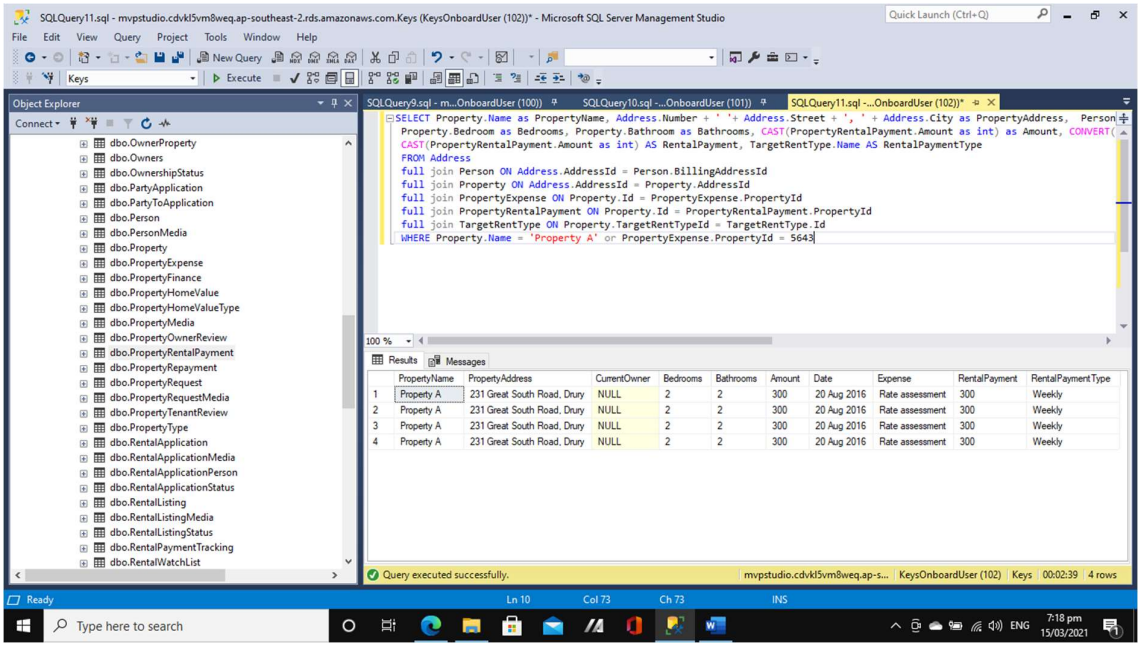
```
SELECT Property.Name as PropertyName, Person.FirstName, Person.LastName,
TenantProperty.PaymentAmount, TenantPaymentFrequencies.Code as Frequency
FROM Property
inner join TenantProperty
on Property.ID = TenantProperty.PropertyId
inner join Person
on TenantProperty.TenantId = Person.Id
inner join TenantPaymentFrequencies
on TenantProperty.PaymentFrequencyId = TenantPaymentFrequencies.Id
inner join OwnerProperty
on Property .Id = OwnerProperty. PropertyId
where OwnerId = 1426
```



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

SQL Code:

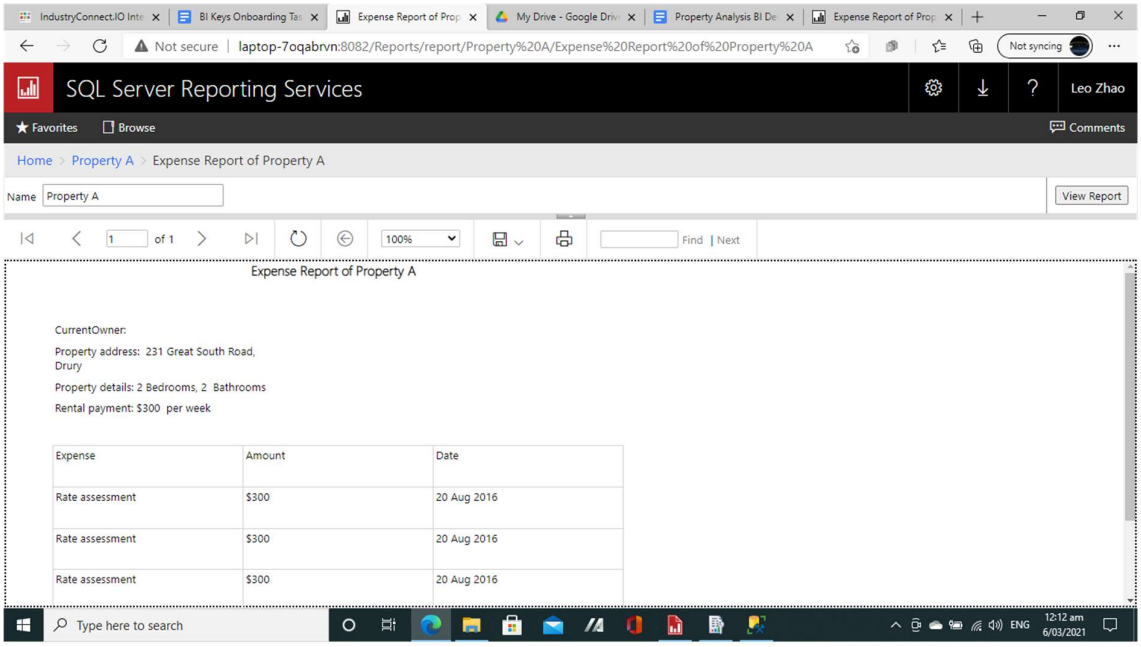
```
SELECT Property.Name as PropertyName, Address.Number + ' '+ Address.Street + ', ' +
Address.City as PropertyAddress,  Person.FirstName + Person.LastName as CurrentOwner,

 Property.Bedroom as Bedrooms, Property.Bathroom as Bathrooms,
CAST(PropertyRentalPayment.Amount as int) as Amount, CONVERT(varchar(100),
PropertyExpense.Date,106) as Date , PropertyExpense.Description as Expense,

 CAST(PropertyRentalPayment.Amount as int) AS RentalPayment, TargetRentType.Name
AS RentalPaymentType

 FROM Address

 full join Person ON Address.AddressId = Person.BillingAddressId

 full join Property ON Address.AddressId = Property.AddressId

 full join PropertyExpense ON Property.Id = PropertyExpense.PropertyId

 full join PropertyRentalPayment ON Property.Id = PropertyRentalPayment.PropertyId

 full join TargetRentType ON Property.TargetRentTypeId = TargetRentType.Id

 WHERE Property.Name = 'Property A' or PropertyExpense.PropertyId = 5643
```



The link for the report :

[Expense Report of Property A - SQL Server 2019 Reporting Services]

You need to type **Property A** to the **Name** Parameter ,



The design preview of the reporting: