**---- On Boarding Task - Property Analysis**

**---- SQL**

Use Keys

--- Question 1(a) - Display a list of all property names and their property id’s

--- for Owner Id: 1426.

SELECT OP.PropertyId, P.Name as PropertyName

FROM OwnerProperty OP INNER JOIN Property P

ON OP.PropertyId = P.Id

WHERE OP.OwnerId = 1426

--- Quesstion 1(b) - Display the current home value for each property in Question 1 (a)

--- Option 1

SELECT PF.PropertyID, PF.CurrentHomeValue FROM PropertyFinance PF

WHERE PF.PropertyID IN

(SELECT OP.PropertyId FROM OwnerProperty OP

WHERE OP.OwnerId = 1426)

--- Option 2

SELECT OP.PropertyID, PF.CurrentHomeValue

FROM OwnerProperty OP INNER JOIN PropertyFinance PF

ON OP.PropertyId = PF.PropertyId

WHERE OP.OwnerId = 1426

--- Question 1 (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.

SELECT OP.PropertyID, TP.StartDate, TP.EndDate, TP.PaymentFrequencyID, TP.PaymentAmount,

(CASE WHEN TP.PaymentFrequencyId = 1 THEN TP.PaymentAmount\*(DATEDIFF(week,tp.StartDate,tp.EndDate))

WHEN TP.PaymentFrequencyId = 2 THEN TP.PaymentAmount\*(DATEDIFF(week,tp.StartDate,tp.EndDate))/2

WHEN TP.PaymentFrequencyId = 3 THEN TP.PaymentAmount\*(DATEDIFF(month,tp.StartDate,tp.EndDate))

ELSE Null END) as TotalPayment

FROM OwnerProperty OP LEFT JOIN TenantProperty TP

ON OP.PropertyId = TP.PropertyId

WHERE OP.OwnerId = 1426

--- (ii) Display the Yield

SELECT OP.PropertyID, PF.Yield

FROM OwnerProperty OP LEFT JOIN PropertyFinance PF

ON OP.PropertyId = PF.PropertyId

WHERE OP.OwnerId = 1426

--- Question 1 (d)

--- Display all the jobs available

--- Job is available when the job is not completed or cancelled or deleted and has no end date

SELECT Id as JobID, JobStartDate, JobEndDate, JobDescription,

CASE WHEN JobStatusID = 1 THEN 'Opening'

WHEN JobStatusID = 2 THEN 'Pending'

WHEN JobStatusID = 3 THEN 'InProgress'

END as JobStatus

FROM [dbo].[Job]

WHERE [dbo].[Job].JobEndDate is NULL

AND ([dbo].[Job].JobStatusId = 1 OR [dbo].[Job].JobStatusId = 2 OR [dbo].[Job].JobStatusId = 3)

--- Question 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 P.Name as PropertyName, CONCAT(PE.FirstName, ' ', PE.LastName) as TenantName,

TP.PaymentAmount as RentalPayment, TPF.Name as PaymentFrequency

FROM OwnerProperty OP

INNER JOIN Property P ON P.Id = OP.PropertyId

INNER JOIN TenantProperty TP ON TP.PropertyId = P.Id

INNER JOIN TenantPaymentFrequencies TPF ON TPF.Id = TP.PaymentFrequencyId

INNER JOIN Person PE on PE.Id = TP.TenantId

Where OP.OwnerId = 1426

--- OnBoarding Task 2 - SSRS

SELECT PE.FirstName,

P.Id, P.AddressId, P.Name, P.Bedroom, P.Bathroom, P.TargetrentTypeId, A.Number, A.Street,

PX.Amount, PX.Date, PX.Description

FROM Property P

INNER JOIN OwnerProperty OP ON OP.PropertyId = P.Id

INNER JOIN PERSON PE ON PE.Id = OP.OwnerId

INNER JOIN Address A ON A.AddressId = P.AddressId

INNER JOIN PropertyExpense PX ON PX.PropertyId = P.ID

WHERE P.Name = 'Property A'

AND P.IsActive = 1

AND A.IsActive = 1

AND PE.IsActive = 1

Screenshot of Property Expense Report:

Graphical user interface, application

Description automatically generated