

Wild Wood Queries – Example Solutions

Your submission is mainly graded on a decent attempt at the queries and that all was submitted as required per the rubric in the Wild Wood Queries Assignment. Remember that my schema has different names and my database schema used for this assignment assumed it was the default, therefore, I did not use the schema name to derive the entities.

1. Email address list of all managers sorted by family name and given name

```
SELECT TenantLastName, TenantFirstName, TenantEmail
FROM tenant t
  INNER JOIN manager m ON t.TenantKey = m.TenantKey
ORDER BY TenantLastName, TenantFirstName
```

2. List of all apartments that were occupied on March 1, 2015 sorted by complex and apartment number. (note that I did not do a calc based upon lease start + duration but rather assumed that all current leases were billed ☺ on that date ... I think this might be wrong given occupation versus lease status)

```
SELECT c.ComplexName, a.ApartmentNumber
FROM lease l
  INNER JOIN apartment a ON l.ComplexKey = a.ComplexKey AND l.ApartmentNumber = a.ApartmentNumber
  INNER JOIN complex c ON a.ComplexKey = c.ComplexKey
  INNER JOIN rent r ON l.LeaseKey = r.LeaseKey
WHERE r.RentDate = '2015-03-01' AND r.RentBilled IS NOT NULL
ORDER BY c.ComplexName, a.ApartmentNumber
```

3. List of all tenants that had a current lease on March 1, 2015 sorted by property and apartment number

```
SELECT c.ComplexName, a.ApartmentNumber, t.TenantFirstName, t.TenantLastName
FROM lease l
  INNER JOIN apartment a ON l.ComplexKey = a.ComplexKey AND l.ApartmentNumber = a.ApartmentNumber
  INNER JOIN complex c ON a.ComplexKey = c.ComplexKey
  INNER JOIN tenant t ON l.TenantKey = t.TenantKey
WHERE l.LeaseStartDate <= '2015-03-01' AND DATE_ADD(l.LeaseStartDate, INTERVAL l.LeaseDuration MONTH) > '2015-03-01'
ORDER BY c.ComplexName, a.ApartmentNumber
```

4. Sum of all rent paid in 2015 grouped by property and month

```
SELECT c.ComplexName, MONTHNAME(r.RentDate), SUM(r.RentPaid)
FROM rent r
  INNER JOIN lease l ON r.LeaseKey = l.LeaseKey
  INNER JOIN apartment a ON l.ComplexKey = a.ComplexKey AND l.ApartmentNumber = a.ApartmentNumber
  INNER JOIN complex c ON a.ComplexKey = c.ComplexKey
WHERE year(r.RentDate) = 2015
GROUP BY c.ComplexName, MONTHNAME(r.RentDate) DESC
```