

USE BUDT703_Project_0507_07

-- What are the unit name, rate, rent per person, ?B?B, number of reviews, and contact info for every unit near UMD?

```
SELECT DISTINCT u.unitName, CONVERT(DECIMAL(3, 2), ua.AvgRate) AS 'Average Rate',  
l.leaseBedroom, l.leaseBathroom,  
CONVERT(DECIMAL(10, 1), AVG(l.leaseprice)) AS 'Average Price', ua.[Review Numbers],  
o.ownerPhone AS 'Contact Info'  
FROM [Smurf.Unit] u, [Smurf.unitAvgRate] ua, [Smurf.Lease] l, [Smurf.Sign] s,  
[Smurf.OwnerPhone] o  
WHERE u.unitId = ua.unitId AND u.unitId = s.unitId AND l.leaseId = s.leaseId AND  
u.ownerId = o.ownerId  
GROUP BY u.unitName, CONVERT(DECIMAL(3, 2), ua.AvgRate), l.leaseBathroom,  
l.leaseBedroom, ua.[Review Numbers], o.ownerPhone
```

-- what are the average rate for those units that UMD shuttle bus will stop by?

```
select AR.unitName, CONVERT(DECIMAL(3, 2), AR.AvgRate) AS 'Average Rate'  
from [Smurf.unitAvgRate] AR  
where exists ( select uu.*  
               from [Smurf.UnitUtilities] uu  
               where uu.unitUtilities = 'UMD shuttle bus'  
               and AR.unitId=uu.unitId)
```

-- What's the percentage of reviewers that left rate >=4.0 starts for Graduate Hills?

```
SELECT CAST(y.number/x.number * 100 AS DECIMAL(4,2)) AS 'Percentage of Positive  
Rates for GH's Review'  
FROM(  
SELECT COUNT(c.reviewId)*1.0 as number FROM [Smurf.Comment] c WHERE c.unitId =  
'U03')x  
join  
(  
SELECT COUNT(r.reviewId)*1.0 as number FROM [Smurf.Review] r,[Smurf.Comment] c  
WHERE r.reviewId = c.reviewId AND c.unitId = 'U03' AND r.reviewRate >= 4) y on 1=1
```

-- Which apartment is less than 1 mile to the UMD, has rent lower than \$1,400, and with a study room at the same time?

```
SELECT DISTINCT u.unitName, u.unitStreet, u.unitCity, u.unitState, u.unitZipCode,  
u.unitType, u.unitDistance, UU.unitUtilities  
FROM [Smurf.Unit] u INNER JOIN [Smurf.UnitUtilities] uu  
ON u.unitId = uu.unitId  
INNER JOIN [Smurf.Sign] s  
ON u.unitId = s.unitId  
INNER JOIN [Smurf.Lease] l  
ON s.leaseId = l.leaseId  
WHERE uu.unitUtilities = 'study room'  
      AND l.leasePrice <= 1400  
      AND u.unitDistance <= 1.00  
ORDER BY u.unitDistance
```

-- What's the positive (>=4) review content for University View?

```
SELECT CONVERT(DECIMAL(3, 2), r.reviewRate) AS 'Average Rate', r.reviewContent  
FROM [Smurf.Review] r, [Smurf.Comment] c  
WHERE r.reviewId = c.reviewId AND r.reviewRate >= 4.0 AND c.unitId = 'U01' AND
```

r.reviewContent IS NOT NULL