

Table1.csv

Sno, Address, City, State code, Country, Rental Price, deposit

- 1) Write a SQL query to order records by a rental price column in ascending order.

SELECT * FROM tmp_table1 ORDER BY CAST(`Rental Price` AS UNSIGNED) ASC;

mysql> SELECT * FROM tmp_table1 ORDER BY CAST(`Rental Price` AS UNSIGNED) ASC;				
Sno	Address			
State code	Country	Rental Price	Deposit	
4913	11325 Springmill Rd, Carmel, IN 46032			Carmel
IN 46032	USA	None	None	
5107	3750 S Dixie Hwy, Coconut Grove, FL 33133			Coconut Grove
FL 33133	USA	None	None	
5138	987 SW 37th Ave, Miami, FL 33135			Miami
FL 33135	USA	None	None	
5153	1480 NW North River Dr, Miami, FL 33125			Miami
FL 33125	USA	None	None	
16	4617 Tannehill Ln, Austin, TX 78721			Austin
TX 78721	USA	None	None	
22	2800 Solaris St, Austin, TX 78758			Austin
TX 78758	USA	None	None	
25	2611 Bee Caves, Austin, TX 78746			Austin
TX 78746	USA	None	None	
120	None			None
None	USA	None	None	
138	323 San Leanna Dr, Austin, TX 78748			Austin
TX 78748	USA	None	None	
141	7501 Pearson Ranch Rd, Austin, TX 78717			Austin
TX 78717	USA	None	None	
524	None			None
None	USA	None	None	
525	None			None
GA 30339	USA	1916747	2074	
1554	222 W 80th St, New York, NY 10024			New York
NY 10024	USA	1936696	21750	
2158	2 W Delaware Pl, Chicago, IL 60610			Chicago
IL 60610	USA	1962879	3674	
2834	19414 Babcock Rd, San Antonio, TX 78255			San Antonio
TX 78255	USA	2229195	1219	
4705	1000 Park Ave NE, Atlanta, GA 30326			Atlanta
GA 30326	USA	2582622	2187	
2531	1625 Main St, Houston, TX 77002			Houston
TX 77002	USA	2739053	1298	
417	Buffalo, NY			Buffalo NY
NY	USA	2917512	None	
226	311 Bowie St, Austin, TX 78703			Austin
TX 78703	USA	3125146	None	
2489	99 N Post Oak Ln, Houston, TX 77024			Houston
TX 77024	USA	3575989	1583	
2421	929 Westcott St, Houston, TX 77007			Houston
TX 77007	USA	5877665	2700	
94	1155 Barton Springs Rd, Austin, TX 78704			Austin
TX 78704	USA	7538236	None	
1644	988 Fifth Ave, New York, NY 10075			New York
NY 10075	USA	8312000	100000	
1675	100 Vandam St Unit The, New York, NY 10013			New York
NY 10013	USA	12468000	None	
5298 rows in set, 192 warnings (0.02 sec)				

```
SELECT * FROM tmp_table1 where `Rental Price` is not null and `Rental Price` != 'None'
ORDER BY CAST(`Rental Price` AS UNSIGNED) ASC;
```

mysql> SELECT * FROM tmp_table1 where `Rental Price` != 'None' ORDER BY CAST(`Rental Price` AS UNSIGNED) ASC;				
Sno	Address	Rental Price	Deposit	City
State code	Country			
1223	8 Jones Rd, Medford, NJ 08055	35160	366	Jersey City
NJ 08055	USA			
1192	18-20 Bloomfield Ave, Belleville, NJ 07109	41560	None	Jersey City
NJ 07109	USA			
307	79 Meech Street			Buffalo NY
None	USA	49872	None	
297	3470 Main St			Buffalo NY
None	USA	51950	625	
958	400 Runkle Dr, Annandale, NJ 08801			Jersey City
NJ 08801	USA	53696	478	
1287	528 Philadelphia Ave, Egg Harbor City, NJ 08215			Jersey City
NJ 08215	USA	57020	None	
4031	3608-3612 Spring Garden St, Philadelphia, PA 19104			Philadelphia
PA 19104	USA	61924	None	
3040	3170 Cleveland Ave, Columbus, OH 43224			Columbus
OH 43224	USA	62340	None	
340	44 North Pearl Street, Buffalo, NY 14202, USA			Buffalo NY
NY 14202	USA	63171	None	
4420	9915 University Village Blvd, Charlotte, NC 28262			Charlotte
NC 28262	USA	64667	728	
4041	4030 Baring St, Philadelphia, PA 19104			Philadelphia
GA 30339	USA	1916747	2074	
1554	222 W 80th St, New York, NY 10024			New York
NY 10024	USA	1936696	21750	
2158	2 W Delaware Pl, Chicago, IL 60610			Chicago
IL 60610	USA	1962879	3674	
2834	19414 Babcock Rd, San Antonio, TX 78255			San Antonio
TX 78255	USA	2229195	1219	
4705	1000 Park Ave NE, Atlanta, GA 30326			Atlanta
GA 30326	USA	2582622	2187	
2531	1625 Main St, Houston, TX 77002			Houston
TX 77002	USA	2739053	1298	
417	Buffalo, NY			Buffalo NY
NY	USA	2917512	None	
226	311 Bowie St, Austin, TX 78703			Austin
TX 78703	USA	3125146	None	
2489	99 N Post Oak Ln, Houston, TX 77024			Houston
TX 77024	USA	3575989	1583	
2421	929 Westcott St, Houston, TX 77007			Houston
TX 77007	USA	5877665	2700	
94	1155 Barton Springs Rd, Austin, TX 78704			Austin
TX 78704	USA	7538236	None	
1644	988 Fifth Ave, New York, NY 10075			New York
NY 10075	USA	8312000	100000	
1675	100 Vandam St Unit The, New York, NY 10013			New York
NY 10013	USA	12468000	None	

5106 rows in set (0.02 sec)

- “None” values I was getting in the ‘Rental Price’ column so I have written this “where” condition. But for the given query this “where” condition is not needed

```
mysql> SELECT * FROM tmp_table1 where 'Rental Price' is not null and 'Rental Price' != 'None' ORDER BY CAST('Rental Price' AS UNSIGNED) ASC limit 30;
+---+-----+-----+-----+-----+-----+-----+-----+
| Sno | Address          | City   | State code | Country | Rental Price | Deposit |
+---+-----+-----+-----+-----+-----+-----+-----+
| 1223 | 8 Jones Rd, Medford, NJ 08055 | Jersey City | NJ 08055 | USA | 35160 | 366 |
| 1192 | 18-20 Bloomfield Ave, Belleville, NJ 07109 | Jersey City | NJ 07109 | USA | 41560 | None |
| 387 | 79 Meech Street | Buffalo NY | None | USA | 49872 | None |
| 297 | 3470 Main St | Buffalo NY | None | USA | 51950 | 625 |
| 958 | 400 Runkle Dr, Annandale, NJ 08801 | Jersey City | NJ 08801 | USA | 53696 | 478 |
| 1287 | 528 Philadelphia Ave, Egg Harbor City, NJ 08215 | Philadelphia | PA 19104 | USA | 61924 | None |
| 4831 | 3608-3612 Spring Garden St, Philadelphia, PA 19104 | Philadelphia | PA 19104 | USA | 61924 | None |
| 3840 | 3170 Cleveland Ave, Columbus, OH 43224 | Columbus | OH 43224 | USA | 62348 | None |
| 348 | 44 North Pearl Street, Buffalo, NY 14202, USA | Buffalo NY | NY 14202 | USA | 63171 | None |
| 4426 | 9915 University Village Blvd, Charlotte, NC 28262 | Charlotte | NC 28262 | USA | 64667 | 728 |
| 404 | 4881 Kingshill Dr, Philadelphia, PA 19122 | Philadelphia | PA 19122 | USA | 64667 | 728 |
| 321 | 58 Trinity Place, Buffalo, NY 14201, USA | Buffalo NY | NY 14201 | USA | 66496 | None |
| 403 | 77 North Johnson Park, Buffalo, NY 14201, USA | Buffalo NY | NY 14201 | USA | 66496 | None |
| 448 | 791 Amherst Street, Buffalo, NY 14216, USA | Buffalo NY | NY 14216 | USA | 66496 | None |
| 3830 | 4881 Kingshill Dr, Columbus, OH 43229 | Columbus | OH 43229 | USA | 66912 | 635 |
| 2899 | 8102 W Hausman Rd, San Antonio, TX 78249 | San Antonio | TX 78229 | USA | 67743 | 625 |
| 3802 | 630 E Town St., Columbus, OH 43215 | Columbus | OH 43215 | USA | 68574 | 425 |
| 355 | 44 North Pearl Street, Buffalo, NY 14202, USA | Buffalo NY | NY 14202 | USA | 68574 | None |
| 3996 | 1000 Diamond St, Philadelphia, PA 19122 | Philadelphia | PA 19122 | USA | 69485 | 738 |
| 3821 | 1750 Clifton Ave, Columbus, OH 43203 | Columbus | OH 43203 | USA | 70652 | 825 |
| 377 | 98 Erb Street, Buffalo, NY 14215, USA | Buffalo NY | NY 14215 | USA | 70652 | None |
| 546 | 6985 Cimarron St, Los Angeles, CA 90047 | Los Angeles | CA 90047 | USA | 70652 | None |
| 1208 | 1655 Klockner Rd, Trenton, NJ 08619 | Jersey City | NJ 08619 | USA | 72314 | 721 |
| 2992 | 4747 Rigsby Ave, San Antonio, TX 78222 | San Antonio | TX 78222 | USA | 72738 | None |
| 440 | 455 Franklin Street, Buffalo, NY 14202, USA | Buffalo NY | NY 14202 | USA | 7392 | None |
| 1860 | 4350 Paradise Rd, Las Vegas, NV 89169 | Las Vegas | NV 89169 | USA | 74725 | None |
| 619 | 18600 Devonshire St, Northridge, CA 91324 | Northridge | CA 91324 | USA | 74888 | None |
| 1576 | 84-59 Kneeland Ave Unit G, Queens, NY 11373 | Queens | NY 11373 | USA | 74888 | 988 |
| 281 | 351 Roesch Avenue, Buffalo, NY 14207, USA | Buffalo NY | NY 14207 | USA | 74888 | None |
| 1995 | 3600 El Conlon Ave, Las Vegas, NV 89102 | Las Vegas | NV 89102 | USA | 74888 | None |
+---+-----+-----+-----+-----+-----+-----+-----+
38 rows in set (0.01 sec)
```

```
SELECT *, (SELECT COUNT(*) FROM tmp_table1) AS total_samples FROM tmp_table1
where 'Rental Price' is not null and 'Rental Price' != 'None' ORDER BY CAST('Rental Price'
AS UNSIGNED) ASC limit 30;
```

```
mysql> SELECT *, (SELECT COUNT(*) FROM tmp_table1) AS total_samples FROM tmp_table1 where 'Rental Price' is not null and 'Rental Price' != 'None' ORDER BY CAST('Rental Price' AS UNSIGNED) ASC limit 30;
+---+-----+-----+-----+-----+-----+-----+-----+
| Sno | Address          | City   | State code | Country | Rental Price | Deposit | total_samples |
+---+-----+-----+-----+-----+-----+-----+-----+
| 1223 | 8 Jones Rd, Medford, NJ 08055 | Jersey City | NJ 08055 | USA | 35160 | 366 | 5298 |
| 1192 | 18-20 Bloomfield Ave, Belleville, NJ 07109 | Jersey City | NJ 07109 | USA | 41560 | None | 5298 |
| 387 | 79 Meech Street | Buffalo NY | None | USA | 49872 | None | 5298 |
| 297 | 3470 Main St | Buffalo NY | None | USA | 51950 | 625 | 5298 |
| 958 | 400 Runkle Dr, Annandale, NJ 08801 | Jersey City | NJ 08801 | USA | 53696 | 478 | 5298 |
| 1287 | 528 Philadelphia Ave, Egg Harbor City, NJ 08215 | Philadelphia | PA 19104 | USA | 61924 | None | 5298 |
| 4831 | 3608-3612 Spring Garden St, Philadelphia, PA 19104 | Philadelphia | PA 19104 | USA | 61924 | None | 5298 |
| 3840 | 3170 Cleveland Ave, Columbus, OH 43224 | Columbus | OH 43224 | USA | 62348 | None | 5298 |
| 348 | 44 North Pearl Street, Buffalo, NY 14202, USA | Buffalo NY | NY 14202 | USA | 63171 | None | 5298 |
| 4426 | 9915 University Village Blvd, Charlotte, NC 28262 | Charlotte | NC 28262 | USA | 64667 | 728 | 5298 |
| 404 | 4881 Kingshill Dr, Philadelphia, PA 19122 | Philadelphia | PA 19122 | USA | 64667 | 728 | 5298 |
| 321 | 58 Trinity Place, Buffalo, NY 14201, USA | Buffalo NY | NY 14201 | USA | 66496 | None | 5298 |
| 403 | 77 North Johnson Park, Buffalo, NY 14201, USA | Buffalo NY | NY 14201 | USA | 66496 | None | 5298 |
| 448 | 791 Amherst Street, Buffalo, NY 14216, USA | Buffalo NY | NY 14216 | USA | 66496 | None | 5298 |
| 3830 | 4881 Kingshill Dr, Columbus, OH 43229 | Columbus | OH 43229 | USA | 66912 | 635 | 5298 |
| 2899 | 8102 W Hausman Rd, San Antonio, TX 78249 | San Antonio | TX 78229 | USA | 67743 | 625 | 5298 |
| 3802 | 630 E Town St., Columbus, OH 43215 | Columbus | OH 43215 | USA | 68574 | 425 | 5298 |
| 355 | 44 North Pearl Street, Buffalo, NY 14202, USA | Buffalo NY | NY 14202 | USA | 68574 | None | 5298 |
| 3996 | 1000 Diamond St, Philadelphia, PA 19122 | Philadelphia | PA 19122 | USA | 69485 | 738 | 5298 |
| 3821 | 1750 Clifton Ave, Columbus, OH 43203 | Columbus | OH 43203 | USA | 70652 | 825 | 5298 |
| 377 | 98 Erb Street, Buffalo, NY 14215, USA | Buffalo NY | NY 14215 | USA | 70652 | None | 5298 |
| 546 | 6985 Cimarron St, Los Angeles, CA 90047 | Los Angeles | CA 90047 | USA | 70652 | None | 5298 |
| 1208 | 1655 Klockner Rd, Trenton, NJ 08619 | Jersey City | NJ 08619 | USA | 72314 | 721 | 5298 |
| 2992 | 4747 Rigsby Ave, San Antonio, TX 78222 | San Antonio | TX 78222 | USA | 72738 | None | 5298 |
| 440 | 455 Franklin Street, Buffalo, NY 14202, USA | Buffalo NY | NY 14202 | USA | 7392 | None | 5298 |
| 1860 | 4350 Paradise Rd, Las Vegas, NV 89169 | Las Vegas | NV 89169 | USA | 74725 | None | 5298 |
| 619 | 18600 Devonshire St, Northridge, CA 91324 | Northridge | CA 91324 | USA | 74888 | None | 5298 |
| 1576 | 84-59 Kneeland Ave Unit G, Queens, NY 11373 | Queens | NY 11373 | USA | 74888 | 988 | 5298 |
| 281 | 351 Roesch Avenue, Buffalo, NY 14207, USA | Buffalo NY | NY 14207 | USA | 74888 | None | 5298 |
| 1995 | 3600 El Conlon Ave, Las Vegas, NV 89102 | Las Vegas | NV 89102 | USA | 74888 | None | 5298 |
+---+-----+-----+-----+-----+-----+-----+-----+
38 rows in set (0.02 sec)
```

2) Write a SQL query to select unique combinations of City and State with their average Rental Price.

```
select City, 'State code', avg('Rental Price') as Avg_Rental_Price from tmp_table1 group by City, 'State code';
```

```
select City, 'State code', avg('Rental Price') as Avg_Rental_Price, (SELECT COUNT(*) FROM tmp_table1) AS total_samples from tmp_table1 group by City, 'State code';
```

City	'State code'	Avg_Rental_Price	total_samples
Austin	TX 78758	315342.8125	5298
Austin	TX 78741	246932.1666666666	5298
Austin	TX 78748	211326.57142857142	5298
Austin	TX 78752	308500	5298
Austin	TX 78744	192626.72727272726	5298
Austin	TX 78739	153772	5298
Austin	TX 78701	790230.2	5298
Austin	TX 78717	315788	5298
Austin	TX 78759	272661.1666666667	5298
Austin	TX 78753	174843	5298
Austin	TX 78704	954740	5298
Austin	TX 78754	283083	5298
Austin	TX 78721	171919.6666666666	5298
Austin	TX 78738	339129.5	5298
Austin	TX 78747	193553.2	5298
Austin	TX 78723	267747.8888888889	5298
Austin	TX 78732	227583	5298
Austin	TX 78746	334766	5298
Austin	TX 78757	265992	5298
Austin	TX 78728	240008.8333333334	5298
Austin	TX 78727	243342.2	5298
Austin	TX 78730	147039	5298
Pflugerville	TX 78660	217598.8888888888	5298
Del Valle	TX 78617	159840	5298
Manor	TX 78653	199280	5298
Austin	TX 78726	224590.3333333334	5298
Austin	TX 78735	269433.5	5298
Austin	TX 78736	243707.75	5298
Austin	TX 78705	255656.375	5298
Austin	TX 78729	214231.5	5298
Austin	TX 78702	385843.1666666667	5298
Austin	TX 78750	249526.2	5298
Austin	TX 78745	241244.07142857142	5298
Austin	TX 78783	1676863	5298
Austin	TX 78724	190843.4	5298

Miami		FL 33145		419922		5298
Miami		FL 33135		298151.5		5298
Miami		FL 33177		261883.66666666666		5298
Miami		FL 33161		216112		5298
Miami		FL 33147		226502		5298
Miami		FL 33128		315461		5298
Miami		FL 33126		268062		5298
Miami		FL 33146		398976		5298
Miami		FL 33156		420088		5298
South Miami		FL 33143		363151		5298
Sunny Isles Beach		FL 33160		428941		5298
North Miami Beach		FL 33179		220850		5298
Doral		FL 33178		374839.875		5298
Coral Gables		FL 33146		670404.5		5298
North Bay Village		FL 33141		382768		5298
Doral		FL 33166		380052.3333333333		5298
Miramar		FL 33025		302141.5		5298
Hialeah		FL 33010		300479		5298
Hialeah		FL 33014		245204		5298
Richmond		VA 23223		191274.18181818182		5298
Richmond		VA 23238		227354.25		5298
Richmond		VA 23228		223243.4		5298
Richmond		VA 23227		166240		5298
Richmond		VA 23225		170001.125		5298
Richmond		VA 23233		287312.8		5298
Richmond		VA 23219		166267.66666666666		5298
Richmond		VA 23230		295304.5		5298
Richmond		VA 23224		187388.14285714287		5298
Richmond		VA 23235		171601		5298
North Chesterfield		VA 23225		161862.3333333334		5298
Richmond		VA 23234		187712.66666666666		5298
Richmond		VA 23220		170008.3333333334		5298
Richmond		VA 23222		157928		5298
Richmond		VA 23294		155573		5298
Richmond		VA 23221		183695		5298
Richmond		VA 23060		311368		5298

1307 rows in set (0.02 sec)

```
select City, `State code`, avg(`Rental Price`) as Avg_Rental_Price, (SELECT COUNT(*)
FROM tmp_table1) AS total_samples from tmp_table1 group by City, `State code` limit 30;
```

mysql> select City, `State code`, avg(`Rental Price`) as Avg_Rental_Price, (SELECT COUNT(*) FROM tmp_table1) AS total_samples from tmp_table1 group by City, `State code` limit 30;				
City	State code	Avg_Rental_Price	total_samples	
Austin	TX 78758	345342.8125	5298	
Austin	TX 78741	246932.16666666666	5298	
Austin	TX 78748	211326.57142857142	5298	
Austin	TX 78752	368500	5298	
Austin	TX 78744	192626.72727272726	5298	
Austin	TX 78739	153772	5298	
Austin	TX 78701	796230.2	5298	
Austin	TX 78717	315788	5298	
Austin	TX 78759	272661.1666666667	5298	
Austin	TX 78753	174843	5298	
Austin	TX 78704	954748	5298	
Austin	TX 78754	203803	5298	
Austin	TX 78721	171919.66666666666	5298	
Austin	TX 78738	339129.5	5298	
Austin	TX 78747	193553.2	5298	
Austin	TX 78723	267747.8888888889	5298	
Austin	TX 78732	227583	5298	
Austin	TX 78746	334766	5298	
Austin	TX 78757	205992	5298	
Austin	TX 78728	240008.8333333334	5298	
Austin	TX 78727	243342.2	5298	
Austin	TX 78730	147039	5298	
Pflugerville	TX 78660	217598.8888888888	5298	
Del Valle	TX 78617	159848	5298	
Manor	TX 78653	199288	5298	
Austin	TX 78726	224590.3333333334	5298	
Austin	TX 78735	269433.5	5298	
Austin	TX 78736	243707.75	5298	
Austin	TX 78705	255656.375	5298	
Austin	TX 78729	214231.5	5298	

30 rows in set (0.03 sec)

- 3) Write a SQL query to select the top 5 highest deposit amounts with corresponding Address and City.**

```
select Address, City, `Deposit` from tmp_table1 order by `Deposit` desc limit 5;
```

Address	City	Deposit
3608-3612 Spring Garden St, Philadelphia, PA 19104	Philadelphia	None
406 W Shafer St, Richmond, VA 23220	Richmond	None
3750 S Dixie Hwy, Coconut Grove, FL 33133	Coconut Grove	None
500 W Camelback Rd, Phoenix, AZ 85013	Phoenix	None
60 Rocky Creek Dr, Gahanna, OH 43230	Gahanna	None

5 rows in set (0.01 sec)

```
select Address, City, `Deposit` from tmp_table1 where `Deposit` is not null and `Deposit` != 'None' order by `Deposit` desc limit 5;
```

Address	City	Deposit
7247 Vista Cir, Indianapolis, IN 46217	Indianapolis	999
811 Antique Ct, Indianapolis, IN 46260	Indianapolis	999
7710 Main St, Houston, TX 77030	Houston	999
853 W Blackhawk St, Chicago, IL 60642	Chicago	999
4092 TPC Pky, San Antonio, TX 78261	San Antonio	999

5 rows in set (0.01 sec)

```
select Address, City, `Deposit`, (SELECT COUNT(*) FROM tmp_table1) AS total_samples from tmp_table1 where `Deposit` is not null and `Deposit` != 'None' order by `Deposit` desc limit 5;
```

Address	City	Deposit	total_samples
7247 Vista Cir, Indianapolis, IN 46217	Indianapolis	999	5298
811 Antique Ct, Indianapolis, IN 46260	Indianapolis	999	5298
7710 Main St, Houston, TX 77030	Houston	999	5298
853 W Blackhawk St, Chicago, IL 60642	Chicago	999	5298
4092 TPC Pky, San Antonio, TX 78261	San Antonio	999	5298

5 rows in set (0.01 sec)

- 4) Write a SQL query to select the count of records for each Country along with the total deposit amount.**

```
select Country, Count(*) as Record_Count, sum(`Deposit`) as Total_Deposit from tmp_table1 group by Country;
```

Country	Record_Count	Total_Deposit
USA	5298	6726761

1 row in set (0.01 sec)

5) Write a SQL query to select records with a Rental Price higher than the average Rental Price across all records.

```
select * from tmp_table1 where `Rental Price` > (select avg(`Rental Price`) from tmp_table1);
```

```
mysql> select avg(`Rental Price`) from tmp_table1;
+-----+
| avg(`Rental Price`) |
+-----+
| 275613.9203473009 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> select * from tmp_table1 where `Rental Price` > (select avg(`Rental Price`) from tmp_table1);
+-----+-----+-----+-----+-----+-----+-----+-----+
| Sno | Address           | City   | State code | Country | Rental Price | Deposit |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 4   | 110 Jacob Fontaine Lane, Austin, TX 78752 | Austin | TX 78752 | USA     | 450095 | None   |
| 5   | 8300 Bluff Springs Rd, Austin, TX 78744    | Austin | TX 78744 | USA     | 423496 | None   |
| 6   | 11009 Alterra Pky, Austin, TX 78758      | Austin | TX 78758 | USA     | 768029 | None   |
| 9   | 303 W 5th St, Austin, TX 78701       | Austin | TX 78701 | USA     | 1465987 | 700    |
| 11  | 9127 Research Blvd, Austin, TX 78758     | Austin | TX 78758 | USA     | 302557 | None   |
| 12  | 18801 N Mopac Expy, Austin, TX 78759     | Austin | TX 78759 | USA     | 282608 | 500    |
| 14  | 1515 S Lamar Blvd, Austin, TX 78704     | Austin | TX 78704 | USA     | 457991 | 300    |
| 17  | 5511 Caprock Smt Dr, Austin, TX 78738    | Austin | TX 78738 | USA     | 455913 | None   |
| 19  | 9225 N Lake Creek Pky, Austin, TX 78717   | Austin | TX 78717 | USA     | 280613 | None   |
| 20  | 12001 Heatherly Dr, Austin, TX 78747     | Austin | TX 78747 | USA     | 276540 | 400    |
| 26  | 3050 Tamarroo Blvd, Austin, TX 78746     | Austin | TX 78746 | USA     | 569110 | 250    |
| 30  | 51 Rainey St, Austin, TX 78701       | Austin | TX 78701 | USA     | 397314 | 400    |
| 31  | 2811 La Frontera Blvd, Austin, TX 78728  | Austin | TX 78728 | USA     | 418592 | None   |
| 32  | 12300 Riata Trace Pky, Austin, TX 78727  | Austin | TX 78727 | USA     | 327410 | None   |
| 46  | 1119 Alterra Pky, Austin, TX 78758      | Austin | TX 78758 | USA     | 486418 | 250    |
| 50  | 9520-9521 Spectrum Dr, Austin, TX 78717 | Austin | TX 78717 | USA     | 520414 | None   |
| 56  | 1700 E 4th St, Austin, TX 78702       | Austin | TX 78702 | USA     | 550504 | None   |
| 60  | 615 W 7th St, Austin, TX 78701       | Austin | TX 78701 | USA     | 694468 | 500    |
| 63  | 3401 S Lamar Blvd, Austin, TX 78704     | Austin | TX 78704 | USA     | 1538468 | None   |
| 64  | 3320 Harmon Ave, Austin, TX 78705     | Austin | TX 78705 | USA     | 1858034 | None   |
| 67  | 8715 W Highway 71, Austin, TX 78735    | Austin | TX 78735 | USA     | 331649 | 500    |
| 71  | 2515 Elmont Dr, Austin, TX 78741     | Austin | TX 78741 | USA     | 317768 | None   |
| 72  | 2823 E Martin Luther King Jr Blvd, Austin, TX 78702 | Austin | TX 78702 | USA     | 506450 | 500    |
| 75  | 1301 W 5th St, Austin, TX 78703     | Austin | TX 78703 | USA     | 1534312 | None   |
| 77  | 2401 Aldrich St, Austin, TX 78723    | Austin | TX 78723 | USA     | 347857 | 1000   |
| 78  | 10727 Domain Dr, Austin, TX 78758    | Austin | TX 78758 | USA     | 369718 | None   |
| 79  | 3100 Kramer Ln, Austin, TX 78758     | Austin | TX 78758 | USA     | 443196 | None   |
| 81  | 13500 Lyndhurst St, Austin, TX 78717  | Austin | TX 78717 | USA     | 345945 | 1000   |
| 86  | 501 Brazos St, Austin, TX 78701    | Austin | TX 78701 | USA     | 604781 | None   |
| 88  | 383 Rocky Ridge Trl, Austin, TX 78737 | Austin | TX 78737 | USA     | 485005 | 250    |
| 89  | 700 E 11th St, Austin, TX 78701    | Austin | TX 78701 | USA     | 1496077 | 400    |
| 90  | 460 Bastrop Hwy, Austin, TX 78741   | Austin | TX 78741 | USA     | 532633 | 250    |
| 94  | 1155 Barton Springs Rd, Austin, TX 78704 | Austin | TX 78704 | USA     | 7538236 | None   |
| 95  | 7870 US 290 Hwy W, Austin, TX 78736  | Austin | TX 78736 | USA     | 410696 | None   |
| 98  | 1115 Town Creek Dr, Austin, TX 78741 | Austin | TX 78741 | USA     | 322422 | 300    |
| 101 | 2901 Manor Rd, Austin, TX 78722   | Austin | TX 78722 | USA     | 305466 | 300    |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

5186	300 Kings Point Dr, Sunny Isles Beach, FL 33160	Sunny Isles Beach	FL 33160	USA	418343	1774
5188	10000 NW 45th Ter, Doral, FL 33178	Doral	FL 33178	USA	313778	2200
5189	6855 NW 105th Ct, Doral, FL 33178	Doral	FL 33178	USA	309954	2221
5190	310-360 Granella Ave, Coral Gables, FL 33146	Coral Gables	FL 33146	USA	568624	2631
5191	10500 NW 74th St, Doral, FL 33178	Doral	FL 33178	USA	356252	2301
5192	7525 E Treasure Dr, North Bay Village, FL 33141	North Bay Village	FL 33141	USA	382768	2089
5194	19680 E Country Club Dr, Aventura, FL 33180	Aventura	FL 33180	USA	544852	2631
5195	353-383 Aragon Ave, Coral Gables, FL 33134	Coral Gables	FL 33134	USA	526898	2814
5196	343 Majorca Ave, Coral Gables, FL 33134	Coral Gables	FL 33134	USA	415600	3400
5197	16900-17000 N Bay Rd, North Miami Beach, FL 33160	North Miami Beach	FL 33160	USA	323752	2640
5198	4400 NW 79th Ave, Doral, FL 33166	Doral	FL 33166	USA	282608	2202
5200	8800 Doral Blvd, Doral, FL 33178	Doral	FL 33178	USA	359826	2082
5201	11481 NW 41st St, Doral, FL 33178	Doral	FL 33178	USA	321841	2453
5203	1340 S Dixie Hwy, Coral Gables, FL 33146	Coral Gables	FL 33146	USA	772185	2975
5204	17945 SW 97th Ave, Palmetto Bay, FL 33157	Palmetto Bay	FL 33157	USA	291834	2828
5205	4200 NW 107th Ave, Doral, FL 33178	Doral	FL 33178	USA	408618	2577
5206	5250-5225 NW 84th Ave, Doral, FL 33166	Doral	FL 33166	USA	497639	3360
5208	4720 NW 85th Ave, Doral, FL 33166	Doral	FL 33166	USA	359910	2615
5209	4260 SW 117th Ln, Miramar, FL 33025	Miramar	FL 33025	USA	343452	3173
5210	9000 NW 41st St, Doral, FL 33178	Doral	FL 33178	USA	607687	2553
5211	445 Hialeah Dr, Hialeah, FL 33010	Hialeah	FL 33010	USA	300479	2250
5212	215 SE 5th St, Hallandale Beach, FL 33009	Hallandale Beach	FL 33009	USA	305466	2315
5213	200 Kings Point Dr, Sunny Isles Beach, FL 33160	Sunny Isles Beach	FL 33160	USA	439539	2316
5214	7218 W 4th Ave, Hialeah, FL 33014	Hialeah	FL 33014	USA	315856	2054
5217	8175 NW 107th Ave, Doral, FL 33178	Doral	FL 33178	USA	320843	2095
5233	1814 Highpoint Ave, Richmond, VA 23230	Richmond	VA 23230	USA	277538	1407
5234	3410 W Clay St, Richmond, VA 23230	Richmond	VA 23230	USA	322921	1561
5237	3810 W Broad St, Richmond, VA 23230	Richmond	VA 23230	USA	296905	1496
5241	1661 Roseneath Rd, Richmond, VA 23230	Richmond	VA 23230	USA	391246	1671
5242	15 W 7th St, Richmond, VA 23224	Richmond	VA 23224	USA	303388	1495
5266	1310 Roseneath Rd, Richmond, VA 23230	Richmond	VA 23230	USA	357665	1312
5271	5200 Avia Way, Richmond, VA 23233	Richmond	VA 23233	USA	449929	1611
5277	3930 Wild Goose Ln, Richmond, VA 23060	Richmond	VA 23060	USA	311368	1488
5281	3822 W Broad St, Richmond, VA 23230	Richmond	VA 23230	USA	302806	1356
5285	2031 Maywill St, Richmond, VA 23230	Richmond	VA 23230	USA	401137	1536
5290	3500 Cox Rd, Richmond, VA 23233	Richmond	VA 23233	USA	324584	1484
5291	9520 Woodman Rd, Richmond, VA 23228	Richmond	VA 23228	USA	298816	1650

1714 rows in set (0.01 sec)

```
select *, (SELECT COUNT(*) FROM tmp_table1) AS total_samples from tmp_table1
where `Rental Price` > (select avg(`Rental Price`) from tmp_table1);
```

Sno	Address	City	State code	Country	Rental Price	Deposit	total_samples
4	110 Jacob Fontaine Lane, Austin, TX 78752	Austin	TX 78752	USA	450095	None	
5298	8300 Bluff Springs Rd, Austin, TX 78744	Austin	TX 78744	USA	423496	None	
5	11009 Alterra Pky, Austin, TX 78758	Austin	TX 78758	USA	768029	None	
5298	303 W 5th St, Austin, TX 78701	Austin	TX 78701	USA	1465987	700	
9	9127 Research Blvd, Austin, TX 78758	Austin	TX 78758	USA	302557	None	
11	10801 N Mopac Expy, Austin, TX 78759	Austin	TX 78759	USA	282608	500	
5298	1515 S Lamar Blvd, Austin, TX 78784	Austin	TX 78784	USA	457991	300	
14	5511 Caprock Smt Dr, Austin, TX 78738	Austin	TX 78738	USA	455913	None	
17	9225 N Lake Creek Pky, Austin, TX 78717	Austin	TX 78717	USA	280613	None	
5298	12001 Heatherly Dr, Austin, TX 78747	Austin	TX 78747	USA	276540	400	
26	3050 Tamarron Blvd, Austin, TX 78746	Austin	TX 78746	USA	509110	250	
5298	51 Rainey St, Austin, TX 78701	Austin	TX 78701	USA	397314	400	
30	2811 La Frontera Blvd, Austin, TX 78728	Austin	TX 78728	USA	418592	None	
31	12300 Riata Trace Pky, Austin, TX 78727	Austin	TX 78727	USA	327410	None	
5298	1119 Alterra Pky, Austin, TX 78758	Austin	TX 78758	USA	486418	250	
46	9520-9521 Spectrum Dr, Austin, TX 78717	Austin	TX 78717	USA	520414	None	
50	1700 E 4th St, Austin, TX 78702	Austin	TX 78702	USA	550504	None	
56							

5211 445 Hialeah Dr, Hialeah, FL 33010	Hialeah	FL 33010	USA	300479	2250	
5212 215 SE 5th St, Hallandale Beach, FL 33009	Hallandale Beach	FL 33009	USA	305466	2315	
5213 200 Kings Point Dr, Sunny Isles Beach, FL 33160	Sunny Isles Beach	FL 33160	USA	439539	2316	
5214 7218 W 4th Ave, Hialeah, FL 33014	Hialeah	FL 33014	USA	315856	2054	
5217 8175 NW 107th Ave, Doral, FL 33178	Doral	FL 33178	USA	320843	2095	
5233 1814 Highpoint Ave, Richmond, VA 23230	Richmond	VA 23230	USA	277538	1407	
5234 3410 W Clay St, Richmond, VA 23230	Richmond	VA 23230	USA	322921	1561	
5237 3810 W Broad St, Richmond, VA 23230	Richmond	VA 23230	USA	296905	1496	
5241 1661 Roseneath Rd, Richmond, VA 23230	Richmond	VA 23230	USA	391246	1671	
5242 15 W 7th St, Richmond, VA 23224	Richmond	VA 23224	USA	303388	1495	
5266 1310 Roseneath Rd, Richmond, VA 23230	Richmond	VA 23230	USA	357665	1312	
5271 5200 Avia Way, Richmond, VA 23233	Richmond	VA 23233	USA	449929	1611	
5277 3930 Wild Goose Ln, Richmond, VA 23060	Richmond	VA 23060	USA	311368	1488	
5281 3022 W Broad St, Richmond, VA 23230	Richmond	VA 23230	USA	302806	1356	
5285 2031 Maywill St, Richmond, VA 23230	Richmond	VA 23230	USA	401137	1536	
5290 3500 Cox Rd, Richmond, VA 23233	Richmond	VA 23233	USA	324584	1484	
5291 9520 Woodman Rd, Richmond, VA 23228	Richmond	VA 23228	USA	298816	1650	
5298						
+-----+	+-----+	+-----+	+-----+	+-----+	+-----+	+-----+

1714 rows in set (0.01 sec)

Table2.csv

Sno, no. of bed, no. of bathroom , Area, pets allowed

- 1) Write a SQL query to select the average area for each number of bedrooms.

SELECT `no of bed`, AVG(area) as Average_Area from tmp_table2 group by `no of bed` order by `no of bed`;

```
mysql> SELECT `no of bed`, AVG(area) as Average_Area from tmp_table2 group by `no of bed` order by `no of bed`;
+-----+-----+
| no of bed | Average_Area |
+-----+-----+
| 1          | 591.3703703703703 |
| 2          | 1073.438202247191 |
| 3          | 1462.132596685083 |
| 4          | 1447.5416666666667 |
| 5          | 931                 |
| 7          | 1100                |
| 1          | 589.6654411764706 |
| 17         | 1340                |
| 2          | 1134.5934343434344 |
| 3          | 1461.933660933661 |
| 4          | 1574.4043715846994 |
| 5          | 2024.1724137931035 |
| 6          | 1365.25              |
| 7          | 2866.6666666666665 |
| 8          | 0                   |
| 9          | 6000                |
| None       | 0                   |
| Studio     | 224.72368421052633 |
| Studio+    | 378.8181818181818 |
+-----+-----+
19 rows in set (0.01 sec)
```

SELECT TRIM(`no of bed`) AS `no of bed`, AVG(area) AS Average_Area FROM tmp_table2 GROUP BY TRIM(`no of bed`) ORDER BY TRIM(`no of bed`);

```
mysql> SELECT TRIM(`no of bed`) AS `no of bed`, AVG(area) AS Average_Area FROM tmp_table2 GROUP BY TRIM(`no of bed`) ORDER BY TRIM(`no of bed`);
+-----+-----+
| no of bed | Average_Area |
+-----+-----+
| 1          | 589.819397993311 |
| 17         | 1340                |
| 2          | 1127.32665776591 |
| 3          | 1461.9499097472924 |
| 4          | 1559.695652173913 |
| 5          | 1953.6451612903227 |
| 6          | 1365.25              |
| 7          | 2425                |
| 8          | 0                   |
| 9          | 6000                |
| None       | 0                   |
| Studio     | 224.72368421052633 |
| Studio+    | 378.8181818181818 |
+-----+-----+
13 rows in set (0.01 sec)
```

```
SELECT TRIM(`no of bed`) AS `no of bed`, AVG(area) AS Average_Area FROM tmp_table2 where `no of bed` != 'None' GROUP BY TRIM(`no of bed`) ORDER BY TRIM(`no of bed`);
```

```
mysql> SELECT TRIM(`no of bed`) AS `no of bed`, AVG(area) AS Average_Area FROM tmp_table2 where `no of bed` != 'None' GROUP BY TRIM(`no of bed`) ORDER BY TRIM(`no of bed`);
+-----+-----+
| no of bed | Average_Area |
+-----+-----+
| 1          | 589.819397993311 |
| 17         | 1340               |
| 2          | 1127.32665776591  |
| 3          | 1461.9499097472924 |
| 4          | 1559.695652173913  |
| 5          | 1953.6451612903227 |
| 6          | 1365.25              |
| 7          | 2425               |
| 8          | 0                   |
| 9          | 6000               |
| Studio     | 224.72368421052633 |
| Studio+    | 378.8181818181818 |
+-----+-----+
12 rows in set (0.01 sec)
```

2) Write a SQL query to select records with more than one bathroom and pets allowed.

```
select * from tmp_table2 where `no of bathroom` > 1 and `Pets Allowed` = 'Allowed';
```

```
mysql> select * from tmp_table2 where `no of bathroom` > 1 and `Pets Allowed` = 'Allowed';
+-----+-----+-----+-----+-----+
| Sno | no of bed | no of bathroom | Area | Pets Allowed |
+-----+-----+-----+-----+-----+
| 1   | 3          | 2          | 1428 | Allowed      |
| 2   | 3          | 2          | 1386 | Allowed      |
| 3   | 2          | 2          | 1216 | Allowed      |
| 4   | 2          | 2          | 1256 | Allowed      |
| 5   | 2          | 2          | 1142 | Allowed      |
| 6   | 2          | 2          | 1397 | Allowed      |
| 7   | 2          | 2          | 1235 | Allowed      |
| 8   | 2          | 2          | 1170 | Allowed      |
| 9   | 3          | 3.5        | 3220 | Allowed      |
| 10  | 2          | 2          | 1170 | Allowed      |
| 11  | 2          | 2          | 1648 | Allowed      |
| 12  | 2          | 2          | 1471 | Allowed      |
| 13  | 3          | 2          | 1391 | Allowed      |
| 14  | 2          | 2          | 1272 | Allowed      |
| 15  | 2          | 2          | 1270 | Allowed      |
| 16  | 3          | 2          | 1223 | Allowed      |
| 17  | 3          | 2.5        | 2218 | Allowed      |
| 18  | 2          | 2          | 1106 | Allowed      |
| 19  | 3          | 2          | 1460 | Allowed      |
| 20  | 2          | 2          | 1235 | Allowed      |
| 21  | 3          | 2          | 1278 | Allowed      |
| 22  | 3          | 2          | None  | Allowed      |
| 23  | 4          | 4          | 1443 | Allowed      |
| 24  | 4          | 3.5        | 2293 | Allowed      |
| 25  | 2          | 2          | 1444 | Allowed      |
| 26  | 3          | 2          | 1392 | Allowed      |
| 27  | 3          | 2          | 1405 | Allowed      |
| 28  | 3          | 2          | 1250 | Allowed      |
| 29  | 2          | 2          | 1150 | Allowed      |
| 30  | 3          | 3          | 1509 | Allowed      |
| 31  | 3          | 2          | 1232 | Allowed      |
| 32  | 3          | 2          | 1751 | Allowed      |
| 33  | 2          | 2          | 1239 | Allowed      |
| 34  | 4          | 4          | 1320 | Allowed      |
| 35  | 2          | 2          | 817  | Allowed      |
| 36  | 2          | 2          | 1432 | Allowed      |
+-----+-----+-----+-----+-----+
```

5260	3	2.0	1232	Allowed
5261	3	2.0	1400	Allowed
5262	3	2.5	1477	Allowed
5263	2	2.0	963	Allowed
5264	2	2.0	1111	Allowed
5265	3	2.0	1355	Allowed
5266	2	2.0	1170	Allowed
5267	2	2.0	1030	Allowed
5268	3	2.0	1152	Allowed
5269	2	2.0	1010	Allowed
5271	3	3.0	1726	Allowed
5272	3	2.5	1073	Allowed
5273	3	3.0	2090	Allowed
5274	3	2.0	1343	Allowed
5275	3	3.0	1180	Allowed
5276	2	2.0	920	Allowed
5277	3	2.0	1538	Allowed
5278	2	2.0	1150	Allowed
5279	2	2.0	1085	Allowed
5280	2	2.0	1131	Allowed
5281	2	2.0	917	Allowed
5282	2	2.0	1075	Allowed
5284	2	2.0	984	Allowed
5285	2	2.0	1254	Allowed
5286	2	2.0	1291	Allowed
5287	2	2.0	1200	Allowed
5288	2	2.0	1019	Allowed
5290	3	2.0	1911	Allowed
5291	3	3.5	2157	Allowed
5292	2	2.0	1360	Allowed
5293	3	2.0	1150	Allowed
5294	2	2.0	1269	Allowed
5295	2	2.0	1091	Allowed
5296	3	2.0	1390	Allowed
5297	3	2.0	1230	Allowed
5298	2	2.0	1156	Allowed

3924 rows in set (0.01 sec)

3) Write a SQL query to select the top 3 records with the highest total area (bedrooms + bathrooms).

```
select *, ('no of bed' + 'no of bathroom') as Total_Area from tmp_table2 order by Total_Area desc limit 3;
```

```
mysql> select *, ('no of bed' + 'no of bathroom') as Total_Area from tmp_table2 order by Total_Area desc limit 3;
+---+---+---+---+---+
| Sno | no of bed | no of bathroom | Area | Pets Allowed | Total_Area |
+---+---+---+---+---+
| 5065 | 17 | 2.0 | 1340 | Allowed | 19 |
| 1675 | 7 | 9 | 8600 | Allowed | 16 |
| 421 | 9 | 7 | 6000 | Not Allowed | 16 |
+---+---+---+---+---+
3 rows in set (0.01 sec)
```

4) Write a SQL query to select the count of records for each combination of bedrooms and bathrooms.

```
select 'no of bed', 'no of bathroom', COUNT(*) as record_count from tmp_table2 group by 'no of bed', 'no of bathroom';
```

```
mysql> select 'no of bed', 'no of bathroom', COUNT(*) as record_count from tmp_table2 group by 'no of bed', 'no of bathroom';
+---+---+---+
| no of bed | no of bathroom | record_count |
+---+---+---+
| 3 | 2 | 572 |
| 2 | 2 | 531 |
| 3 | 3.5 | 73 |
| 3 | 2.5 | 235 |
| 4 | 4 | 15 |
| 4 | 3.5 | 10 |
| 3 | 3 | 89 |
| 2 | 2.5 | 117 |
| 2 | 1 | 222 |
| 4 | 2 | 42 |
| None | None | 189 |
| Studio | 1 | 42 |
| 5 | 3 | 6 |
| 2 | 3 | 14 |
| 4 | 3 | 15 |
| 1 | 1 | 193 |
| 5 | 4 | 3 |
| 3 | 1 | 105 |
| 4 | 1 | 15 |
| Studio | None | 14 |
| 4 | 5 | 2 |
| 2 | 1.5 | 31 |
| 3 | 1.5 | 25 |
| 5 | 2 | 5 |
| 6 | 2 | 1 |
| Studio | 0.5 | 1 |
| 8 | 4 | 1 |
| 4 | 2.5 | 11 |
| 9 | 7 | 1 |
| 1 | 2 | 5 |
| 4 | 3 | 13 |
| 2 | 2 | 186 |
| 1 | 1 | 24 |
| 3 | 2 | 6 |
| 3 | 2 | 97 |
| Studio+ | 1 | 21 |
+---+---+---+
```

6	4		1
5	7		1
1	2.5		1
Studio	bath		10
7	4		1
5	2		1
4	2		1
4	1		2
4	None		1
7	9		1
7	2		1
2	2.0		956
3	2.0		732
1	1.0		66
4	9.0		1
4	3.0		16
4	4.0		29
3	3.0		183
2	1.0		98
Studio	1.0		9
5	5.0		6
4	4.5		5
6	6.5		1
3	1.0		13
2	3.0		5
5	4.0		3
4	2.0		19
5	3.5		2
4	1.5		2
1	2.0		3
5	3.0		2
3	4.0		4
2	3.5		1
1	1.5		1
6	4.0		1
17	2.0		1

98 rows in set (0.01 sec)

5) Write a SQL query to select records with the largest area where pets are allowed.

```
select * from tmp_table2 where Area in (select max(Area) from tmp_table2 where 'Pets Allowed' = 'Allowed');
```

```
select * from tmp_table2 where Area in (select max(Area) from tmp_table2 where 'Pets Allowed' = 'Allowed' and Area != 'None');
```

```
mysql> select max(Area) from tmp_table2 where 'Pets Allowed' = 'Allowed' and Area != 'None';
+-----+
| max(Area) |
+-----+
| 999      |
+-----+
1 row in set (0.01 sec)
```

```
mysql> select * from tmp_table2 where Area in (select max(Area) from tmp_table2 where 'Pets Allowed' = 'Allowed' and Area != 'None');
+-----+-----+-----+-----+
| Sno | no of bed | no of bathroom | Area | Pets Allowed |
+-----+-----+-----+-----+
| 4067 | 2          | 2.0           | 999  | Allowed      |
+-----+-----+-----+-----+
1 row in set (26.09 sec)
```

Table3.csv

Sno, Washer/Dryer, AC, Parking, Fireplace, Dishwasher, Hardwood floors, Roofdeck, Storage

- 1) Write a SQL query to Select records where both Washer/Dryer and AC are available, and order by Sno.

```
select * from tmp_table3 where `Washer/Dryer` = 'Allowed' and `Air Conditioner` = 'Allowed' order by Sno;
```

- 2) Write a SQL query to Select records where Hardwood floors are available but neither Roofdeck nor Storage is present, and order by Sno in descending order.

```
select * from tmp_table3 WHERE `Hardwood floors` = 'Allowed' and `Roofdeck` = 'Not Allowed' and Storage = 'Not Allowed' order by Sno desc;
```

- 3) Write a SQL query to Select records where at least four amenities (AC, Parking, Dishwasher, Fireplace) are available, and order by Sno .**

```
select Sno from tmp_table3 where (' Air Conditioner' = 'Allowed' or Parking = 'Allowed' or Dishwasher = 'Allowed' or Fireplace = 'Allowed') group by Sno HAVING COUNT(*) >= 4 order by Sno;
```

```
mysql> select Sno from tmp_table3 where ('Air Conditioner' = 'Allowed' or Parking = 'Allowed' or Dishwasher = 'Allowed' or Fireplace = 'Allowed') group by Sno HAVING COUNT(*) >= 4 order by Sno;
Empty set (0.01 sec)
```

There are no records that meet the criteria specified in the query

- 4) Write a SQL query to Select records where neither Roofdeck nor Storage is available, and include the count of such records.**

```
select count(*) as count_of_records from tmp_table3 where Roofdeck = 'Not Allowed' and Storage = 'Not Allowed';
```

```
mysql> select count(*) as count_of_records from tmp_table3 where Roofdeck = 'Not Allowed' and Storage = 'Not Allowed';
+-----+
| count_of_records |
+-----+
|          1225 |
+-----+
1 row in set (0.01 sec)
```

- 5) Write a SQL query to Select records with Parking and either Fireplace or Dishwasher, and include the count of records for each condition.**

```
select sum(case when parking = 'Allowed' then 1 else 0 end) as count_parking, sum(case when Fireplace = 'Allowed' then 1 else 0 end) as count_fireplace, SUM(case when Dishwasher = 'Allowed' then 1 else 0 end) AS count_dishwasher from tmp_table3 where Parking = 'Allowed' AND (Fireplace = 'Allowed' or Dishwasher = 'Allowed');
```

```
mysql> select sum(case when parking = 'Allowed' then 1 else 0 end) as count_parking, sum(case when Fireplace = 'Allowed' then 1 else 0 end) as count_fireplace, SUM(case when Dishwasher = 'Allowed' then 1 else 0 end) AS count_dishwasher from tmp_table3 where Parking = 'Allowed' AND (Fireplace = 'Allowed' or Dishwasher = 'Allowed');
+-----+-----+-----+
| count_parking | count_fireplace | count_dishwasher |
+-----+-----+-----+
|         3385 |           1076 |          3270 |
+-----+-----+-----+
1 row in set (0.01 sec)
```

Join SQL Queries using all 3 tables:

1) Write a SQL subquery to find records with more than the average area and related details using table 1 and table 2.

```
select t1.*, t2.* from tmp_table1 t1 join tmp_table2 t2 on t1.Sno = t2.Sno where t2.Area > (SELECT AVG(Area) FROM tmp_table2);
```

```
mysql> (SELECT AVG(Area) FROM tmp_table2);
+-----+
| AVG(Area) |
+-----+
| 1204.3174782936958 |
+-----+
1 row in set (0.01 sec)
```

Sno	Address	of bed	bathroom	Area	Pets Allowed	City	State code	Country	Rental Price	Deposit	Sno	no
1	8200-8220 Research Blvd, Austin, TX 78758	2	1428	Allowed		Austin	TX 78758	USA	170812	500	1	3
2	4900 E Oltorf St, Austin, TX 78741	2	1386	Allowed		Austin	TX 78741	USA	182199	None	2	3
3	10500 S IH 35 Frontage Rd, Austin, TX 78748	2	1216	Allowed		Austin	TX 78748	USA	275210	None	3	2
4	110 Jacob Fontaine Lane, Austin, TX 78752	2	1256	Allowed		Austin	TX 78752	USA	450095	None	4	2
6	11009 Alterra Pkwy, Austin, TX 78758	2	1397	Allowed		Austin	TX 78758	USA	768029	None	6	2
7	2511 Montopolis Dr, Austin, TX 78741	2	1235	Allowed		Austin	TX 78741	USA	204891	None	7	2
9	303 W 5th St, Austin, TX 78701	3.5	3228	Allowed		Austin	TX 78701	USA	1465987	700	9	3
11	9127 Research Blvd, Austin, TX 78758	2	1648	Allowed		Austin	TX 78758	USA	302557	None	11	2
12	16801 N Mopac Expy, Austin, TX 78759	2	1471	Allowed		Austin	TX 78759	USA	282608	500	12	2
13	12217 N Interstate 35, Austin, TX 78753	2	1391	Allowed		Austin	TX 78753	USA	190844	None	13	3
14	1515 S Lamar Blvd, Austin, TX 78704	2	1272	Allowed		Austin	TX 78704	USA	457991	300	14	2
15	1900 E Parmer Ln, Austin, TX 78754	2	1278	Allowed		Austin	TX 78754	USA	194916	300	15	2
16	4617 Tannehill Ln, Austin, TX 78721	2	1223	Allowed		Austin	TX 78721	USA	None	None	16	3
17	5511 Caprock Smt Dr, Austin, TX 78738	2.5	2218	Allowed		Austin	TX 78738	USA	455913	None	17	3
19	9225 N Lake Creek Pkwy, Austin, TX 78717	2	1460	Allowed		Austin	TX 78717	USA	280613	None	19	3
20	12001 Heatherly Dr, Austin, TX 78747	2	12001	Heatherly		Austin	TX 78747	USA	276540	400	20	2
72°F												
ENG												
5257	6839 Carnation St, Richmond, VA 23225	2.0	1236	Allowed		Richmond	VA 23225	USA	155933	1199	5257	3
5260	#45 German School Rd, Richmond, VA 23225	2.0	1232	Allowed		Richmond	VA 23225	USA	152442	939	5260	3
5261	1603 Roane St, Richmond, VA 23222	2.0	1408	Allowed		Richmond	VA 23222	USA	157928	1200	5261	3
5262	9712 Tartuffe Dr, Richmond, VA 23238	2.5	1477	Allowed		Richmond	VA 23238	USA	185441	1544	5262	3
5265	8800 Queensmere Pl, Richmond, VA 23294	2.0	1355	Allowed		Richmond	VA 23294	USA	173305	1172	5265	3
5271	5200 Avia Way, Richmond, VA 23233	3.0	1726	Allowed		Richmond	VA 23233	USA	449929	1611	5271	3
5273	1335-1387 W Broad St, Richmond, VA 23220	3.0	2098	Allowed		Richmond	VA 23220	USA	225588	936	5273	3
5274	700 Stockton St, Richmond, VA 23224	2.0	1343	Allowed		Richmond	VA 23224	USA	133408	1149	5274	3
5277	3930 Wild Goose Ln, Richmond, VA 23060	2.0	1538	Allowed		Richmond	VA 23060	USA	311368	1488	5277	3
5285	2831 Maywill St, Richmond, VA 23238	2.0	1254	Allowed		Richmond	VA 23238	USA	401137	1536	5285	2
5286	1717 Bellevue Ave, Richmond, VA 23227	2.0	1291	Allowed		Richmond	VA 23227	USA	149200	1095	5286	2
5290	3500 Cox Rd, Richmond, VA 23233	2.0	1911	Allowed		Richmond	VA 23233	USA	324584	1484	5290	3
5291	9520 Woodman Rd, Richmond, VA 23228	3.5	2157	Allowed		Richmond	VA 23228	USA	298816	1650	5291	3
5292	12688 Patterson Ave, Richmond, VA 23238	2.0	1360	Allowed		Richmond	VA 23238	USA	231074	1447	5292	2
5294	230 N 6th St, Richmond, VA 23219	2.0	1269	Allowed		Richmond	VA 23219	USA	241464	1475	5294	2
5296	520 W Franklin St, Richmond, VA 23220	2.0	1399	Allowed		Richmond	VA 23220	USA	185358	1025	5296	3
5297	9318 Tarheel Ter, Richmond, VA 23228	2.0	1230	Allowed		Richmond	VA 23228	USA	168650	1329	5297	3

2) Write a subquery to find records in table1 based on conditions pets allowed is 'YES' and no of bed is greater than 3 in table2.

```
select * from tmp_table1 where Sno in (select t2.Sno from tmp_table2 t2 where t2.'no of bed' > 3 and t2.'Pets Allowed' = 'Allowed');
```

Sno	Address	City	State code	Country	Rental Price	Deposit
23	1301 Crossing Pl, Austin, TX 78741	Austin	TX 78741	USA	145792	None
24	4500 Steiner Ranch Blvd, Austin, TX 78732	Austin	TX 78732	USA	208881	None
34	1300 Crossing Pl, Austin, TX 78741	Austin	TX 78741	USA	134987	None
51	2300 Nueces St, Austin, TX 78705	Austin	TX 78705	USA	143382	None
76	8712 Old Manor Rd, Austin, TX 78724	Austin	TX 78724	USA	151445	None
105	9000 Decker Ln, Austin, TX 78724	Austin	TX 78724	USA	192173	None
110	15701 FM 1325, Austin, TX 78728	Austin	TX 78728	USA	156182	None
126	9002 Capitol View Dr, Austin, TX 78747	Austin	TX 78747	USA	158925	450
132	10525 Wildhorse Ranch Trl, Austin, TX 78724	Austin	TX 78724	USA	158925	350
133	Old San Antonio Rd & Avenida Mercado St, Austin, TX 78747	Austin	TX 78747	USA	155933	None
150	507 W 23rd St, Austin, TX 78705	Austin	TX 78705	USA	175300	None
165	9323 Manchaca Rd, Austin, TX 78748	Austin	TX 78748	USA	363899	None
182	10500 Lakeline Mall Dr, Austin, TX 78717	Austin	TX 78717	USA	224341	None
211	1221 Algarita Ave, Austin, TX 78704	Austin	TX 78704	USA	171227	None
215	714 W 22nd St, Austin, TX 78705	Austin	TX 78705	USA	140888	None
218	2810 Hemphill Park, Austin, TX 78705	Austin	TX 78705	USA	150281	None
232	1109 S Pleasant Valley Rd, Austin, TX 78741	Austin	TX 78741	USA	95588	None
239	7711 O'Connor Dr, Round Rock, TX 78681	Round Rock	TX 78681	USA	807677	None
300	Buffalo, NY	Buffalo NY	NY	USA	937594	None
307	79 Meech Street	Buffalo NY	None	USA	49872	None
309	Buffalo, NY	Buffalo NY	NY	USA	359078	None
328	Buffalo, NY	Buffalo NY	NY	USA	478771	None
366	Buffalo, NY	Buffalo NY	NY	USA	1408884	None
435	Buffalo, NY	Buffalo NY	NY	USA	678259	None
482	6677 W Santa Monica Blvd, Los Angeles, CA 90038	Los Angeles	CA 90038	USA	407704	2155
510	8811 N Sepulveda Blvd, North Hills, CA 91343	North Hills	CA 91343	USA	84616	621
563	5620 DE Longpre Ave, Los Angeles, CA 90028	Los Angeles	CA 90028	USA	599711	2475
577	11942 Terra Bella St, Sylmar, CA 91342	Sylmar	CA 91342	USA	304219	None
579	6677W Santa Monica Blvd, Los Angeles, CA 90038	Los Angeles	CA 90038	USA	407704	2155
586	2905 S Cabrillo Ave, San Pedro, CA 90731	San Pedro	CA 90731	USA	233983	2190
667	13009 Jamie Ave, Sylmar, CA 91342	Sylmar	CA 91342	USA	299232	None
731	10000 Santa Monica Blvd, Los Angeles, CA 90067	Los Angeles	CA 90067	USA	1246800	11800
766	14625 Magnolia Blvd, Los Angeles, CA 91403	Los Angeles	CA 91403	USA	349021	None
882	11205 Salerno Way, Porter Ranch, CA 91326	Porter Ranch	CA 91326	USA	440120	None
883	5852 Vineland Ave, North Hollywood, CA 91601	North Hollywood	CA 91601	USA	331483	None

4618	450 16th St NW, Atlanta, GA 30363	Atlanta	GA 30363	USA	98497	1120
4645	550 Rock Springs Ct NE, Atlanta, GA 30306	Atlanta	GA 30306	USA	739269	1366
4659	112 Courtland St NE, Atlanta, GA 30303	Atlanta	GA 30303	USA	116285	785
4680	306 Ardmore Cm NW, Atlanta, GA 30309	Atlanta	GA 30309	USA	324168	1625
4690	1371 SW Kimberly Rd, Atlanta, GA 30331	Atlanta	GA 30331	USA	192922	1158
4693	174 SW Moury Ave, Atlanta, GA 30315	Atlanta	GA 30315	USA	193753	1192
4696	3108 Briarcliff Rd NE, Atlanta, GA 30329	Atlanta	GA 30329	USA	308843	1209
4767	800 W Marietta St, Atlanta, GA 30318	Atlanta	GA 30318	USA	95089	899
4785	1040 Northside Dr NW, Atlanta, GA 30318	Atlanta	GA 30318	USA	155351	1299
4787	45 Boynton Ave, Atlanta, GA 30315	Atlanta	GA 30315	USA	276374	2546
4793	1011 Northside Dr NW, Atlanta, GA 30318	Atlanta	GA 30318	USA	161668	1189
4796	1025 Spring St NW, Atlanta, GA 30309	Atlanta	GA 30309	USA	169565	1360
4838	1201 Indiana Ave, Indianapolis, IN 46202	Indianapolis	IN 46202	USA	201150	1149
4843	8201 Madison Ave, Indianapolis, IN 46227	Indianapolis	IN 46227	USA	122602	835
4851	56 Port Ocall Dr, Indianapolis, IN 46224	Indianapolis	IN 46224	USA	156182	873
4883	11415 Knollridge Ln, Indianapolis, IN 46229	Indianapolis	IN 46229	USA	137148	950
4902	3800 W Michigan St, Indianapolis, IN 46222	Indianapolis	IN 46222	USA	124680	650
4912	11255 State Stone Dr, Fishers, IN 46037	Fishers	IN 46037	USA	324168	1739
4925	44 Banner Ln, Washington, DC 20001	Washington	DC 20001	USA	719736	1654
4956	1315 Clifton St NW, Washington, DC 20009	Washington	DC 20009	USA	370050	2022
4986	300 Neal Pl NE, Washington, DC 20002	Washington	DC 20002	USA	567294	2120
4996	529 G SE, Washington, DC 20003	Washington	DC 20003	USA	122186	900
5023	907 6th St SW, Washington, DC 20024	Washington	DC 20024	USA	290920	1746
5061	2200 12th Ct, Arlington, VA 22201	Arlington	VA 22201	USA	551418	2639
5065	8484 16th St, Silver Spring, MD 20910	Silver Spring	MD 20910	USA	348688	1374
5072	700 SW 107th Ave, Miami, FL 33174	Miami	FL 33174	USA	153356	1230
5085	2800 SW 27th Ter, Miami, FL 33133	Miami	FL 33133	USA	651079	1995
5093	101 Diplomat Pky, Hallandale Beach, FL 33009	Hallandale Beach	FL 33009	USA	1487848	3450
5102	6600 Main St, Miami Lakes, FL 33014	Miami Lakes	FL 33014	USA	293414	2400
5116	51 NW 28th St, Miami, FL 33127	Miami	FL 33127	USA	169980	1895
5147	340 SE 3rd St, Miami, FL 33131	Miami	FL 33131	USA	883482	2501
5157	729 NW 2nd St, Miami, FL 33128	Miami	FL 33128	USA	343452	2513
5161	700 SW 1st St, Miami, FL 33130	Miami	FL 33130	USA	407288	2237
5172	795 SW 110th Ave, Miami, FL 33174	Miami	FL 33174	USA	113459	915
5180	110 SW 12th St, Miami, FL 33130	Miami	FL 33130	USA	338132	3055
5183	6001 SW 70th St, South Miami, FL 33143	South Miami	FL 33143	USA	363151	2350

181 rows in set (0.01 sec)

3) Write a SQL subquery using both tables (2 and 3) to find records in Table2 with more than 2 bedrooms and related details from Table3 where AC is present.

```
select t2.* , t3.* from tmp_table2 t2 join tmp_table3 t3 ON t2.Sno = t3.Sno where t2.`no of bed` > 2 and t3.`Air Conditioner` = 'Allowed';
```

mysql> select t2.* , t3.* from tmp_table2 t2 join tmp_table3 t3 ON t2.Sno = t3.Sno where t2.`no of bed` > 2 and t3.`Air Conditioner` = 'Allowed';											
Sno	no of bed	no of bathroom	Area	Pets Allowed	Sno	Washer/Dryer	Air Conditioner	Parking	Fireplace	Dishwasher	Hardwood floor
s	Roofdeck	Storage									
1	3	2		1428	Allowed	1	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
2	3	2		1386	Allowed	2	Allowed	Allowed	Allowed	Allowed	Allowed
9	3	3.5		3220	Allowed	9	Allowed	Allowed	Allowed	Allowed	Allowed
13	3	2		1391	Allowed	13	Allowed	Allowed	Allowed	Not Allowed	Allowed
16	3	2		1223	Allowed	16	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
17	3	2.5		2218	Allowed	17	Allowed	Allowed	Allowed	Allowed	Not Allowed
19	3	2		1460	Allowed	19	Allowed	Allowed	Allowed	Not Allowed	Allowed
21	3	2		1278	Allowed	21	Allowed	Allowed	Allowed	Not Allowed	Not Allowed
22	3	2		None	Allowed	22	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
23	4	4		1443	Allowed	23	Allowed	Allowed	Allowed	Not Allowed	Allowed
24	4	3.5		2293	Allowed	24	Allowed	Allowed	Allowed	Not Allowed	Allowed
26	3	2		1392	Allowed	26	Allowed	Allowed	Allowed	Allowed	Not Allowed
27	3	2		1485	Allowed	27	Allowed	Allowed	Allowed	Not Allowed	Allowed
28	3	2		1250	Allowed	28	Allowed	Allowed	Allowed	Allowed	Not Allowed
30	3	3		1589	Allowed	30	Allowed	Allowed	Allowed	Allowed	Allowed
31	3	2		1232	Allowed	31	Allowed	Allowed	Allowed	Allowed	Allowed
32	3	2		1751	Allowed	32	Allowed	Allowed	Allowed	Allowed	Allowed
5259	3	2.0		1179	Allowed	5259	Allowed	Allowed	Allowed	Allowed	Not Allowed
5260	3	2.0		1232	Allowed	5260	Allowed	Allowed	Not Allowed	Allowed	Allowed
5261	3	2.0		1480	Allowed	5261	Allowed	Allowed	Not Allowed	Allowed	Allowed
5262	3	2.5		1477	Allowed	5262	Allowed	Allowed	Not Allowed	Not Allowed	Allowed
5265	3	2.0		1355	Allowed	5265	Allowed	Allowed	Not Allowed	Not Allowed	Allowed
5268	3	2.0		1152	Allowed	5268	Allowed	Allowed	Not Allowed	Allowed	Allowed
5271	3	3.0		1726	Allowed	5271	Allowed	Allowed	Not Allowed	Allowed	Allowed
5272	3	2.5		1073	Allowed	5272	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
5273	3	3.0		2090	Allowed	5273	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
5274	3	2.0		1343	Allowed	5274	Allowed	Allowed	Not Allowed	Allowed	Allowed
5275	3	3.0		1180	Allowed	5275	Allowed	Allowed	Not Allowed	Allowed	Allowed
5277	3	2.0		1538	Allowed	5277	Allowed	Allowed	Not Allowed	Allowed	Not Allowed
5290	3	2.0		1911	Allowed	5290	Allowed	Allowed	Not Allowed	Allowed	Not Allowed
5291	3	3.5		2157	Allowed	5291	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
5293	3	2.0		1150	Allowed	5293	Allowed	Allowed	Not Allowed	Allowed	Not Allowed
5296	3	2.0		1390	Allowed	5296	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed
5297	3	2.0		1230	Allowed	5297	Allowed	Allowed	Not Allowed	Not Allowed	Not Allowed

2258 rows in set (0.02 sec)

4) Write a sql subquery to find records in Table2 with pets allowed and a Dishwasher, and include related details from Table3.

```
select t2.* , t3.* from tmp_table2 t2 join tmp_table3 t3 on t2.Sno = t3.Sno where t2.'Pets Allowed' = 'Allowed' and t3. Dishwasher = 'Allowed';
```

Sno	no of bed	no of bathroom	Area	Pets Allowed	Sno	Washer/Dryer	Air Conditioner	Parking	Fireplace	Dishwasher	Hardwood floors
Roofdeck	Storage										
2 3 2 Not Allowed Allowed 1386 Allowed 2 Allowed Allowed Allowed Allowed Allowed											
3 2 2 Not Allowed Allowed 1216 Allowed 3 Allowed Allowed Allowed Not Allowed Allowed											
4 2 2 Not Allowed Allowed 1256 Allowed 4 Allowed Allowed Allowed Not Allowed Allowed											
5 2 2 Not Allowed Allowed 1142 Allowed 5 Allowed Allowed Allowed Not Allowed Allowed											
6 2 2 Not Allowed Allowed 1397 Allowed 6 Allowed Allowed Allowed Allowed Allowed											
7 2 2 Not Allowed Allowed 1235 Allowed 7 Allowed Allowed Allowed Not Allowed Allowed											
8 2 2 Not Allowed Allowed 1170 Allowed 8 Allowed Allowed Allowed Not Allowed Allowed											
9 3 3.5 Not Allowed Allowed 3220 Allowed 9 Allowed Allowed Allowed Allowed Allowed											
10 2 2 Not Allowed Allowed 1178 Allowed 10 Allowed Allowed Allowed Not Allowed Allowed											
11 2 2 Not Allowed Allowed 1648 Allowed 11 Allowed Allowed Allowed Not Allowed Allowed											
12 2 2 Not Allowed Allowed 1471 Allowed 12 Allowed Allowed Allowed Allowed Not Allowed											
13 3 2 Not Allowed Allowed 1391 Allowed 13 Allowed Allowed Allowed Not Allowed Allowed											
14 2 2 Not Allowed Allowed 1272 Allowed 14 Allowed Allowed Allowed Not Allowed Allowed											
16 3 2 Not Allowed Allowed 1223 Allowed 16 Allowed Allowed Not Allowed Not Allowed Allowed											
17 3 2.5 Not Allowed Allowed 2218 Allowed 17 Allowed Allowed Allowed Allowed Not Allowed											
19 3 2 Not Allowed Allowed 1460 Allowed 19 Allowed Allowed Allowed Not Allowed Allowed											
20 2 2 Not Allowed Allowed 1235 Allowed 20 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5280 2 2.0 1131 Allowed 5280 Allowed Allowed Not Allowed Allowed Allowed											
Not Allowed Allowed 5282 2 2.0 1075 Allowed 5282 Allowed Not Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5283 Studio 1.0 506 Allowed 5283 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Not Allowed 5284 2 2.0 984 Allowed 5284 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5286 2 2.0 1291 Allowed 5286 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5287 2 2.0 1200 Allowed 5287 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5288 2 2.0 1019 Allowed 5288 Allowed Allowed Allowed Allowed Not Allowed											
Not Allowed Allowed 5289 1 1.0 856 Allowed 5289 Allowed Allowed Allowed Allowed Allowed											
Not Allowed Allowed 5290 3 2.0 1911 Allowed 5290 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5291 3 3.5 2157 Allowed 5291 Allowed Allowed Allowed Allowed Not Allowed											
Not Allowed Not Allowed 5292 2 2.0 1360 Allowed 5292 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5293 3 2.0 1150 Allowed 5293 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5294 2 2.0 1269 Allowed 5294 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5295 2 2.0 1091 Allowed 5295 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5296 3 2.0 1390 Allowed 5296 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Not Allowed 5297 3 2.0 1230 Allowed 5297 Allowed Allowed Allowed Not Allowed Allowed											
Not Allowed Allowed 5298 2 2.0 1156 Allowed 5298 Allowed Allowed Not Allowed Not Allowed Allowed											
Not Allowed Not Allowed 5299 2 2.0 1156 Allowed 5299 Allowed Allowed Not Allowed Not Allowed Allowed											

3433 rows in set (0.02 sec)

5) Write a subquery to find records in Table2 with the highest area and related details from Table3 where roofdeck is present.

```
select t2.*, t3.* from tmp_table2 t2 join tmp_table3 t3 on t2.Sno = t3.Sno where t2.Area  
= (select max(Area) from tmp_table2) and t3.Roofdeck = 'Allowed';
```

```
(select max(Area) from tmp_table2 where 'Area' != 'None');
```

```
mysql> (select max(Area) from tmp_table2 where `Area` != 'None');
+-----+
| max(Area) |
+-----+
| 999       |
+-----+
1 row in set (0.01 sec)
```

```
select t2.*, t3.* from tmp_table2 t2 join tmp_table3 t3 on t2.Sno = t3.Sno where t2.Area = (select max(Area) from tmp_table2 where t2.Area != 'None') and t3.Roofdeck = 'Allowed';
```

```
mysql> select t2.*, t3.* from tmp_table2 t2 join tmp_table3 t3 on t2.Sno = t3.Sno where t2.Area = (select max(Area) from tmp_table2 where t2.Area != 'None') and t3.Roofdeck = 'Allowed';
Empty set (0.54 sec)
```

```
select t2.*, t3.* from tmp_table2 t2 join tmp_table3 t3 on t2.Sno = t3.Sno where t2.Area = (select max(Area) from tmp_table2) and t3.Roofdeck = 'Allowed';
```

6) Write a sql Inner Join to combine information from table1 and table 2.

```
select * from tmp_table1 inner join tmp_table2 on tmp_table1.Sno = tmp_table2.Sno;
```

OR

```
select t1.*, t2.* from tmp_table1 t1 join tmp_table2 t2 on t1.Sno = t2.Sno;
```

Sno	Address	City	State code	Country	Rental Pric	
e	Deposit	Sno	no of bed	no of bathroom	Area	Pets Allowed
1	8200-8220 Research Blvd, Austin, TX 78758	Austin	TX 78758	USA	170812	
500	1 1 3 2 1428 Allowed	Austin	TX 78741	USA	182199	
2	4900 E Oltror St, Austin, TX 78741	Austin	TX 78748	USA	275210	
None	2 2 3 2 1386 Allowed	Austin	TX 78752	USA	450095	
3	10500 S IH 35 Frontage Rd, Austin, TX 78748	Austin	TX 78744	USA	423496	
None	3 2 2 2 1216 Allowed	Austin	TX 78758	USA	768029	
4	110 Jacob Fontaine Lane, Austin, TX 78752	Austin	TX 78741	USA	204891	
None	4 2 2 2 1256 Allowed	Austin	TX 78744	USA	153772	
5	8300 Bluff Springs Rd, Austin, TX 78744	Austin	TX 78701	USA	1465987	
None	5 2 2 2 1142 Allowed	Austin	TX 78717	USA	198158	
6	11009 Alterra Pkwy, Austin, TX 78758	Austin	TX 78753	USA	190844	
None	6 2 2 2 1397 Allowed	Austin	TX 78754	USA	457991	
7	2511 Montopolis Dr, Austin, TX 78741	Austin	TX 78704	USA	302557	
None	7 2 2 2 1235 Allowed	Austin	TX 78758	USA	282608	
8	12100 Archeleta Blvd, Austin, TX 78739	Austin	TX 78759	USA	357665	
None	8 2 2 2 1170 Allowed	Austin	TX 78753	USA	449929	
9	303 W 5th St, Austin, TX 78701	Austin	TX 78704	USA	23223	
700	9 3 3 3.5 3220 Allowed	Austin	TX 78708	USA	1095	
10	14115 N Highway 183, Austin, TX 78717	Austin	TX 78717	USA	1447	
None	10 2 2 2 1170 Allowed	Austin	TX 78721	USA	1450	
11	9127 Research Blvd, Austin, TX 78758	Austin	TX 78758	USA	1452	
None	11 2 2 2 1648 Allowed	Austin	TX 78759	USA	1454	
12	10881 N Mopac Expy, Austin, TX 78759	Austin	TX 78753	USA	1456	
500	12 2 2 2 1471 Allowed	Austin	TX 78754	USA	1458	
13	12217 N Interstate 35, Austin, TX 78753	Austin	TX 78704	USA	1460	
None	13 3 2 2 1391 Allowed	Austin	TX 78708	USA	1462	
14	1515 S Lamar Blvd, Austin, TX 78704	Austin	TX 78708	USA	1464	
300	14 2 2 2 1272 Allowed	Austin	TX 78717	USA	1466	
15	1980 E Parmer Ln, Austin, TX 78754	Austin	TX 78758	USA	1468	
300	15 2 2 2 1270 Allowed	Austin	TX 78759	USA	1470	
16	4617 Tannehill Ln, Austin, TX 78721	Austin	TX 78753	USA	1472	
None	16 3 2 2 1223 Allowed	Austin	TX 78754	USA	1474	
1283	5264 2 2.0 1111 Allowed	Austin	TX 78759	USA	1476	
5265	8800 Queensmere Pl, Richmond, VA 23294	Richmond	VA 23294	USA	1478	
1172	5265 3 2.0 1355 Allowed	Richmond	VA 23230	USA	1480	
5266	1310 Roseneath Rd, Richmond, VA 23230	Richmond	VA 23233	USA	1482	
1312	5266 2 2.0 1170 Allowed	Richmond	VA 23223	USA	1484	
5271	5200 Avia Way, Richmond, VA 23233	Richmond	VA 23223	USA	1486	
1611	5271 3 3.0 1726 Allowed	Richmond	VA 23223	USA	1488	
5272	1820 E Broad St, Richmond, VA 23223	Richmond	VA 23224	USA	1490	
1149	5272 3 2.5 1073 Allowed	Richmond	VA 23224	USA	1492	
5274	700 Stockton St, Richmond, VA 23224	Richmond	VA 23224	USA	1494	
1149	5274 3 2.0 1343 Allowed	Richmond	VA 23223	USA	1496	
5275	1984 Cedar St, Richmond, VA 23223	Richmond	VA 23223	USA	1498	
1844	5275 3 3.0 1180 Allowed	Richmond	VA 23220	USA	1500	
5276	406 W Shafer St, Richmond, VA 23220	Richmond	VA 23220	USA	1502	
None	5276 2 2.0 920 Allowed	Richmond	VA 23060	USA	1504	
5277	3930 Wild Goose Ln, Richmond, VA 23060	Richmond	VA 23224	USA	1506	
1488	5277 3 2.0 1538 Allowed	Richmond	VA 23224	USA	1508	
5288	400 Hull St, Richmond, VA 23224	Richmond	VA 23224	USA	1510	
1240	5288 2 2.0 1131 Allowed	Richmond	VA 23223	USA	1512	
5282	2525 E Main St, Richmond, VA 23223	Richmond	VA 23223	USA	1514	
1375	5282 2 2.0 1075 Allowed	Richmond	VA 23219	USA	1516	
5283	507 E Main St, Richmond, VA 23219	Richmond	VA 23219	USA	1518	
1198	5283 Studio 1.0 506 Allowed	Richmond	VA 23227	USA	1520	
5286	1717 Bellevue Ave, Richmond, VA 23227	Richmond	VA 23227	USA	1522	
1095	5286 2 2.0 1291 Allowed	Richmond	VA 23224	USA	1524	
5288	700 Semmes Ave, Richmond, VA 23224	Richmond	VA 23224	USA	1526	
1499	5288 2 2.0 1019 Allowed	Richmond	VA 23219	USA	1528	
5289	909 E Main St, Richmond, VA 23219	Richmond	VA 23228	USA	1530	
1523	5289 1 1.0 856 Allowed	Richmond	VA 23238	USA	1532	
5291	9528 Woodman Rd, Richmond, VA 23228	Richmond	VA 23228	USA	1534	
1650	5291 3 3.5 2157 Allowed	Richmond	VA 23238	USA	1536	
5292	12608 Patterson Ave, Richmond, VA 23238	Richmond	VA 23238	USA	1538	
1447	5292 2 2.0 1360 Allowed	Richmond	VA 23233	USA	1540	
5293	4100 Concord Creek Pl, Richmond, VA 23223	Richmond	VA 23223	USA	1542	
1450	5293 3 2.0 1150 Allowed	Richmond	VA 23223	USA	1544	

5298 rows in set (0.06 sec)

7) Write SQL Subquery to find records in table1 with pets allowed and a Washer/Dryer, and include details from table2 and table3.

```
select t1.*, t2.*, t3.* from tmp_table1 t1 join tmp_table2 t2 on t1.Sno = t2.Sno  
join tmp_table3 t3 on t1.Sno = t3.Sno where t2.`Pets Allowed` = 'Allowed' and  
t3.`Washer/Dryer` = 'Allowed';
```