

- 1) Find addresses of homes in your city (for example Guwahati) with rent between Rs.20,000 and Rs. 40,000 per month.

```
mysql> SELECT PID,  
-> CONCAT_WS(' ', houseNum, street, zipcode, city) AS Address  
-> FROM property  
-> WHERE (listType, city) = ('R', 'Los Angeles')  
-> AND price BETWEEN 20000 AND 40000;
```

```
mysql> select pid,  
-> CONCAT_WS(' ',houseNum,street,zipcode,city) as Address  
-> from property  
-> where (listType,city) = ('R', 'Los Angeles')  
-> and price between 20000 and 40000;  
  
+-----+  
| pid | Address  
+-----+  
| 2328 | 1295,N Beverly D,90210,Los Angeles  
| 2366 | 2625,Mar Lu D,90046,Los Angeles  
| 2367 | 8416,Skyline D,90046,Los Angeles  
| 2368 | 2400,Laurel Canyon Blv,90046,Los Angeles  
| 2408 | 9393,Sierra Mar D,90069,Los Angeles  
| 2443 | 9393,Sierra Mar D,90069,Los Angeles  
+-----+  
6 rows in set (0.00 sec)
```

- 3) Find the name of the agent who has sold the most property in the year 2021 by total amount in rupees.

```
mysql> WITH temp AS (  
-> SELECT EID, SUM(price) as soldValue  
-> FROM property  
-> WHERE dateSold BETWEEN "2021-01-01" AND "2021-12-26"  
-> GROUP BY EID  
-> )  
-> SELECT name  
-> FROM employee  
-> WHERE EID = (  
-> SELECT EID  
-> FROM temp  
-> WHERE soldValue = (SELECT MAX(soldValue)  
-> FROM temp)  
-> );
```

```
mysql> WITH temp AS (  
-> SELECT EID, SUM(price) as soldValue  
-> FROM property  
-> WHERE dateSold BETWEEN "2021-01-01" AND "2021-12-26"  
-> GROUP BY EID  
-> )  
-> SELECT name  
-> FROM employee  
-> WHERE EID = (  
-> SELECT EID  
-> FROM temp  
-> WHERE soldValue = (SELECT MAX(soldValue)  
-> FROM temp)  
-> );  
  
+-----+  
| name |  
+-----+  
| Cordie Bruen |  
+-----+  
1 row in set (0.07 sec)
```

- 4) Find the addresses of homes in your city that are available for sale and that has at least 2 bed rooms. List the asking price and the number of bedrooms, with other details that may be necessary.

```
mysql> SELECT PID,  
-> CONCAT_WS(',',houseNum,street,zipcode,city)AS Address,  
-> price,beds AS Bedrooms,baths AS Bathrooms,size AS sizeOFHouse  
-> FROM property  
-> WHERE (listType,city)=('S','Los Angeles')  
-> AND beds >= 2;
```

mysql> SELECT MIN(`price`,`houseNum`,`street`,`zipcode`,`city`)AS Address,
-> price,beds AS Bedrooms,baths AS Bathrooms,size AS sizeOfHouse
-> FROM property
-> WHERE (listType,city)=('S','Los Angeles')
-> AND beds >= 2;

PID	Address	price	Bedrooms	Bathrooms	sizeOfHouse
1713	1253 S Ganesha Av,90010,Los Angeles	1250000	3.0	2.0	1600
1714	4905,Queen Florence L,91364,Los Angeles	1890000	6.0	6.0	7882
1715	16901,Nordhoff S,91343,Los Angeles	729999	3.0	3.0	1866
1716	1610,E 24th S,90011,Los Angeles	375000	2.0	1.0	648
1717	702,Patterson P,90072,Los Angeles	5750000	5.0	6.0	5519
1718	18401,Gerrin S,91326,Los Angeles	829000	5.0	3.0	3308
1719	1436,Mount Pleasant S,90042,Los Angeles	1395000	4.0	2.0	2424
1720	36,26th Av,90291,Los Angeles	2350000	3.0	2.0	1580
1721	18957,Anzac Av,90059,Los Angeles	439000	3.0	2.0	1273
1722	9351,Fountain Av,90009,Los Angeles	1200000	3.0	3.0	1839
1723	11104,Micks S,91352,Los Angeles	459000	2.0	0.0	902
1724	13952,Bessemer S,91401,Los Angeles	899000	3.0	2.0	1310
1725	8052,Altavan Av,90045,Los Angeles	1250000	4.0	2.0	1611
1726	2845,S Barrington Av,90065,Los Angeles	2095000	5.0	4.0	2847
1727	2350,N Hillington Bly,90744,Los Angeles	823000	3.0	2.0	1120
1728	1770,E 22nd S,90058,Los Angeles	392200	2.0	1.0	996
1729	22854,MacFarlane D,91364,Los Angeles	739000	3.0	2.0	1608
1730	16029,Hart S,91406,Los Angeles	690000	2.0	1.0	1500
1731	8139,Mattilija Av,91402,Los Angeles	499000	2.0	2.0	1814
1732	2460,Griffith Park Bly,90027,Los Angeles	2500000	4.0	4.0	3230
1733	3017,S Victoria Av,90016,Los Angeles	1125000	5.0	4.0	2109
1734	22629,Crespi S,91364,Los Angeles	895000	5.0	4.0	2107
1735	18918,Betty Lou L,91042,Los Angeles	545000	3.0	1.0	1168
1736	4447,Garden Homes Av,90032,Los Angeles	710000	5.0	0.0	1472
1737	4122,S Bronson Av,90008,Los Angeles	899000	2.0	2.0	1729
1738	7621,Creston D,90068,Los Angeles	2100000	4.0	4.0	4092
1739	648,E 87th P,90002,Los Angeles	479000	3.0	2.0	1116
1740	1352,N Fairfax Av,90046,Los Angeles	1540000	3.0	2.0	2105
1741	2168,Clifford St 101,90026,Los Angeles	370000	2.0	3.0	1527
1742	2144,Clifford St 101,90026,Los Angeles	965000	2.0	3.0	1408
1743	2150,Big Tujunga Cy,91482,Los Angeles	2295000	5.0	4.0	3640
1744	2100,N Vine S,90068,Los Angeles	5955000	6.0	7.0	6494
1745	1407,N Beverly D,90019,Los Angeles	2795000	4.0	4.0	2753
1746	748,N Detroit S,90006,Los Angeles	3399000	6.0	6.0	5321
1747	1844,Marceeta P,90069,Los Angeles	7845000	4.0	5.0	4600
1748	4726,Beck Av,91062,Los Angeles	2347000	5.0	6.0	4426
1749	3454,Reynolds Av,90032,Los Angeles	685000	2.0	2.0	1360
1750	1950,W 83rd S,90047,Los Angeles	519999	3.0	3.0	1432
1751	13670,Shahlow Av,91342,Los Angeles	599000	3.0	2.0	1288
1752	22309,Dolorosa S,91367,Los Angeles	1299000	4.0	5.0	3353
1753	2209,Superior Av,90291,Los Angeles	2075000	4.0	2.0	1806
1754	2475,Sunridge Av,90291,Los Angeles	2473330	4.0	4.0	1714
1754	17317,Los Alimos S,91344,Los Angeles	849000	4.0	3.0	2357
1755	-2,Eldora Av,91040,Los Angeles	569000	2.0	1.0	1048
1756	2925,Trudy D,90020,Los Angeles	4095000	5.0	6.0	5286
1757	10912,Cerinae G,91042,Los Angeles	800000	3.0	0.0	1961
1758	20012,Enadua Wa,91306,Los Angeles	550000	3.0	2.0	1765
1759	9726,Seloma Av,91343,Los Angeles	649500	5.0	2.0	1963
1760	21040,Roscoe Bly,91304,Los Angeles	560000	4.0	2.0	1395
1761	4247,W 63rd S,90043,Los Angeles	1100000	3.0	2.0	1415
1762	5400,Elleville Av,91367,Los Angeles	899000	3.0	2.0	2076
1763	13354,Magnolia Bly,91243,Los Angeles	829900	3.0	2.0	1456
1764	6609,Raymond Av,90044,Los Angeles	539900	2.0	1.0	1103
1765	2017,S Orange D,90016,Los Angeles	745000	2.0	1.0	1168
1766	13107,Hesby S,91423,Los Angeles	1200000	3.0	3.0	1936
1767	6521,Willoughby Av,90038,Los Angeles	1678000	2.0	3.0	1044
1768	2424,Lanternman Tr,90039,Los Angeles	1295000	2.0	2.0	1363
1769	2474,Coolidge Av,90064,Los Angeles	1379000	3.0	2.0	1250
1770	14035,Aubrey R,90210,Los Angeles	21320000	7.0	1.0	16134
1771	2007,Michele Lorenza S,90039,Los Angeles	1590000	3.0	2.0	1544
1772	1180,Crescenta D,90005,Los Angeles	1089000	3.0	2.0	1120
1773	11881,Terra Vista Way #11,91342,Los Angeles	639990	3.0	3.0	1912
1774	14288,Gager S,91331,Los Angeles	574000	3.0	2.0	1262
1775	12921,Louise S,91331,Los Angeles	599000	4.0	3.0	1790
1777	2500,Abbot Kinney Blvd Apt,90291,Los Angeles	945999	2.0	0.0	922
1779	324,W 50th S,90037,Los Angeles	1100000	6.0	6.0	4556
1780	2222,Avenue Of The Stars UNIT 270,90067,Los Angeles	2095000	2.0	2.0	1334
1781	10560,Wilshire Blvd APT 200,90024,Los Angeles	2700000	3.0	4.0	3605

07 rows in set (0.00 sec)

mysql>

```

SELECT PID, beds, baths,
CONCAT_WS(' ', houseNum, street, zipcode, city) AS Address,
"Rental" AS Type,
CASE
WHEN EID IS NULL THEN "Available"
ELSE "Rented"
END AS "Status",
CONCAT_WS(" ", "$", property.price) AS "Price",
CASE
WHEN propType = 'A' THEN 'Apartment'
ELSE 'House'
END AS 'Property Type'
FROM property
WHERE listType = 'R'
ORDER BY 7 DESC
LIMIT 3;

```

```

SELECT PID, beds, baths,
CONCAT_WS(' ', houseNum, street, zipcode, city) AS Address,
"Sale" AS Type,
CASE
WHEN EID IS NULL THEN "Unsold"
ELSE "Sold"
END AS "Status",
CONCAT_WS(" ", "$", property.price) AS "Price",
CASE
WHEN propType = 'A' THEN 'Apartment'
ELSE 'House'
END AS 'Property Type'
FROM property WHERE listType = 'S'
ORDER BY 7 DESC
LIMIT 3;

```

```

mysql> SELECT PID, beds, baths,
-> CONCAT_WS(' ', houseNum, street, zipcode, city) AS Address,
-> "Rental" AS Type,
-> CASE
-> WHEN EID IS NULL THEN "Available"
-> ELSE "Rented"
-> END AS "Status",
-> CONCAT_WS(" ", "$", property.price) AS "Price",
-> CASE
-> WHEN propType = 'A' THEN 'Apartment'
-> ELSE 'House'
-> END AS 'Property Type'
-> FROM property
-> WHERE listType = 'R'
-> ORDER BY 7 DESC
-> LIMIT 3;

```

PID	beds	baths	Address	Type	Status	Price	Property Type
3209	4.0	3.0	35, Newburg St, 94131, San Francisco	Rental	Rented	\$ 9999	House
3836	3.0	2.0	265, E 92nd St Apt 16, 10128, New York City	Rental	Available	\$ 9995	Apartment
3108	4.0	3.0	140, San Pablo Av, 94127, San Francisco	Rental	Rented	\$ 9950	House

3 rows in set (0.01 sec)

```

mysql>
mysql> SELECT PID, beds, baths,
-> CONCAT_WS(' ', houseNum, street, zipcode, city) AS Address,
-> "Sale" AS Type,
-> CASE
-> WHEN EID IS NULL THEN "Unsold"
-> ELSE "Sold"
-> END AS "Status",
-> CONCAT_WS(" ", "$", property.price) AS "Price",
-> CASE
-> WHEN propType = 'A' THEN 'Apartment'
-> ELSE 'House'
-> END AS 'Property Type'
-> FROM property
-> WHERE listType = 'S'
-> ORDER BY 7 DESC
-> LIMIT 3;

```

PID	beds	baths	Address	Type	Status	Price	Property Type
1892	4.0	3.0	3400, SW 111th St, 98146, Seattle	Sale	Unsold	\$ 999950	House
1947	4.0	4.0	1233, W Ohio St, 60642, Chicago	Sale	Unsold	\$ 999980	House
2288	3.0	1.0	310, E 46th St Apt 25, 10017, New York City	Sale	Sold	\$ 999000	Apartment