Project Phase 3

Team-12

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This is the output doc file that contains screenshot of the output of the English description+ SQL queries.

1. Show the apartments in Arlington, TX with is located near a grocery store

Query:

select * from apartments where apt_id IN (select apt_id from apartment_nearby_places where city LIKE 'Arlington' AND places LIKE 'GROCERY STORE');

```
mysql> select * from apartments where apt id IN (select apt id from apartment nearby places where city LIKE 'Arlington' AND places LIKE 'GROCERY STORE');
| Apt_Id | Area | Cost | No_of_Bedrooms | Floor_No | Street
| 1009APT | 2000 | 100030 | 3 | 2 | 214 Prairie Rd. | Arlington | 201 |
 ------
1 row in set (0.00 sec)
```

2. Show the top 5 agents with the highest amount of experience. */

Query:

select e.Employee id, e.Fname, e.Lname, e.Email id, a.SSN, a.Years of Experience, a.No_of_Sales from Employee as e INNER JOIN Agent as a on a.employee_id = e.Employee_id order by a.Years_of_Experience desc LIMIT 5;

mysql> select e.Employee_id, e.Fname, e.Lname, e.Email_id, a.SSN, a.Years_of_Experience, a.No_of_Sales from Employee as e INNER JOIN Agent as a on a.employee_id = e.Employee_id order by a.Years of Experience desc LIMIT 5; | Employee_id | Fname | Lname | Email_id | SSN | Years_of_Experience | No_of_Sales | | 100029 | Doug | George | doug.george@example.com | 100000048 | 11 | 70 | 10 | 9 | 100030 | Chester | Pearson | chester.pearson@example.com | 100000049 | 49 |
 100032
 | Floyd
 | Williams | floyd.williams@example.com
 | 10000051 |

 100026
 | Mike
 | Parker
 | mike.parker@example.com
 | 100000045 |
 68 8 | 52 100028 | Drake | Brown | drake.brown@example.com | 100000047 | 32 5 rows in set (0.00 sec)

3. Show the total number of apartments near play school

Query:

select COUNT(Apt_Id) as Apartments_Near_Playschool from APARTMENT_NEARBY_PLACES group by places having places LIKE 'PLAY_SCHOOL';

4. Show all the branches where more than two employees work in ascending order of number of employees

Queries:

create view No_of_Employees as select COUNT(employee_id) as No_of_Employees, Branch_Id from works_at group by branch_id having COUNT(employee_id) > 2 order by COUNT(employee_id);

select B.Branch_Id, B.Street, B.Contact_no, B.City, B.State, N.No_of_Employees from Branch as B INNER JOIN No_of_Employees as N on B.branch_Id=N.branch_Id order by N.No_of_Employees asc;

	t B.Branch_Id, B.Str				N.No_of_Employees from	Branch as B INNER	OIN No_of_Employees	as N on B.branch_Id=N.	branch_Id order by N	N.No_of_Employees asc;
Branch_Id		Contact_no	City	State	No_of_Employees					
1004 1002	732 Lamboil St 218 N Cherry Ave	6732321121 6732899233	Brooklyn Seattle	New York Washington	3 4					

5. Show Sellers whose apartment has an architecture type of Japanese and facilities such as gym.

Query:

select U.SSN, U.FName, U.LName, U.Contact_no, S.Max_Price, S.Min_Price, S.Fixed_Price, S.Rent_Cost, S.Apt_Id, S.Lease_Duration from user as U INNER JOIN Seller as S on U.SSN = S.SSSN AND S.Apt_Id IN (select apt_id from facilities where GYM LIKE 'Y' AND apt_id IN(select apt_id from interiors where Architecture_type LIKE 'Japanese'));

.SSN = S.SSSN	N AND S.A	pt_Id IN (s	elect apt_id f	from facilit	ies where GY	M LIKE 'Ý' AND	apt_id IN(select apt	t, S.Apt_Id, S.Lease_Duration from user as U INNER JOIN Seller as S on t_id from interiors where Architecture_type LIKE 'Japanese'));
SSN	FName	LName	Contact_no	Max_Price	Min_Price	Fixed_Price	Rent_Cost	Apt_Id	Lease_Duration
100000005 100000007	Harvey Chris	Erickson	6211200005 6211200007	NULL 300000	NULL 10000	100000 NULL	1500 2000	1001APT 1003APT	6
100000010 100000012	Jack	Bush Bracken	6211200010 6211200012	NULL	NULL	40000	800	1005APT 1007APT	j 3 j
+4 rows in set			+			+	+	+	· +······

6. Show apartments with a height of the ceiling of 8 feet.

Query:

select * from apartments where apt_id IN (select apt_id from interiors where ceiling_height = 8);

7. Show me the Names of All the Customer Service Officers that have joined the branch in year 1997.

Query:

select FName, LName from employee where YEAR(Joining_Date) = 1997 AND SSN IN (select SSN from customer_service_officer);

8. Show the Contact number of the Branch whose BranchID is 1000.

Query:

select * from branch where branch_id = 1000;

9. Show all the employees who have the same first names with respect to any other employee and display them in alphabetical order of their first names.

Query: select * from employee where fname IN (select fname from employee group by fname having count(fname) > 1) order by fname;

SN	Employee_Id	FName	LName	Joining_Date	Email_Id	Sex	Date_Of_Birth
100000023	100004	Cameron	Geller	1998-01-11	cameron.geller@example.com	M	1977-09-26
100000046	100027	Cameron	Turner	2015-09-09	cameron.turner@example.com	M	1985-10-03
100000026	100007	Chester	Smith	1997-09-09	chester.smith@example.com	M	1977-09-29
100000049	100030	Chester	Pearson	2009-09-09	chester.pearson@example.com	M	1981-11-03
100000020	100001	Collin	Jones	1999-10-10	collin.jones@example.com	M	1977-09-23
100000043	100024	Collin	Stewart	2012-09-09	collin.stewart@example.com	M	1982-01-03
100000025	100006	Doug	Miller	1997-09-09	doug.miller@example.com	M	1977-09-28
100000048	100029	Doug	George	2008-09-09	doug.george@example.com	M	1982-11-07
100000024	100005	Drake	Morgan	1998-09-09	drake.morgan@example.com	M	1977-09-27
100000047	100028	Drake	Brown	2011-09-09	drake.brown@example.com	M	1983-11-08
100000050	100031	Emily	Lee	2016-09-09	emily.lee@example.com	F	1990-01-04
100000027	100008	Emily	Scott	1997-09-09	emily.scott@example.com	F	1977-09-30
100000051	100032	Floyd	Williams	2010-09-09	floyd.williams@example.com	M	1988-01-03
100000028	100009	Floyd	Lewis	1997-09-09	floyd.lewis@example.com	M	1977-09-30
100000053	100034	Freeman	Lynn	2008-09-09	freeman.lynn@example.com	M	1988-01-03
100000030	100011	Freeman	Hughes	1998-09-09	freeman.hughes@example.com	M	1977-09-16
100000039	100020	John	Williams	2008-09-09	john.williams@example.com	M	1987-07-13
100000000	100000	John	Wright	1998-09-09	john.wright@example.com	M	1977-09-22
100000044	100025	Mark	Miller	2013-09-09	mark.miller@example.com	M	1983-07-03
100000021	100002	Mark	Bishop	1998-11-11	mark.bishop@example.com	M	1977-09-24
100000045	100026	Mike	Parker	2011-09-09	mike.parker@example.com	M	1984-12-03
100000022	100003	Mike	Smith	1998-09-02	john@example.com	M	1977-09-25
100000029	100010	Nick	Lyon	1998-09-09	nick.lynn@example.com	M	1977-09-15
100000052	100033	Nick	Edwards	2008-09-09	nick.edwards@example.com	M	1988-01-02

^{10.} Show the apartment available in Dallas with abundant soft water with a maximum rent of 2000\$ per month.

Query:

select Apt_Id, No_of_Bedrooms, Street, City, Apt_No from apartments where apt_id IN (select apt_Id from facilities where Soft_water LIKE 'Y' AND apt_id IN (select apt_Id from seller where rent_cost < 2000)) AND city LIKE 'Dallas';

11. Show all the apartments with no Air conditioning.

Query:

select * from apartments where apt_id IN (select apt_id from interiors where Air_Conditioning LIKE 'N');

Query:

select user.FName, user.LName, user.Contact_No, seller.Fixed_Price, seller.Apt_Id from user INNER JOIN seller ON user.SSN = seller.SSSN AND seller.fixed_price < 50000;

13. Show an apartment in Dallas, TX that costs under 100000\$ and has a playschool nearby.

Query:

select * from apartments where cost < 100000 AND apt_id IN (select apt_id from apartment_nearby_places where city LIKE 'Dallas' AND places LIKE 'PLAY_SCHOOL');