Punjabi University, Patiala

Department Of Computer Science

10 SQL QUERIES

OF

Cospace Management System

Submitted by: -

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COSPACE MANAGEMENT SYSTEM - (10) QUERIES

ANSWER 1

SELECT OFFICE_ID,OWNERS_ID,TOTAL_COST, SPACE_NAME,COST_OF_EACH_ROOM TYPE_OF_ROOMS
FROM office_space ORDER BY cost_of_each_room ASC;

```
OFFICE_ID  OWNERS_ID TOTAL_COST SPACE_NAME                                       TYPE_OF_ROOMS
---------- ---------- ---------- ------------------------------------------------ -------------
        4          2      10000 Office 1                                                  2000
        3          2      10000 Office 1                                                  3000
        2          3      10000 Office 1                                                  4000
        1          1      10000 Office 1                                                  5000
```

ANSWER 2

SELECT COUNT(State) as Punjab_customers FROM customers WHERE State= 'Punjab';

```
PUNJAB_CUSTOMERS
----------------
               4
```

Answer 3

SELECT * FROM customers WHERE Created_at > SYSDATE - 21;

```
   ID CUSTOMER_NAME                        CUSTOMER_ACC_NO  PASSWORD                               DATE_OF_B GENDER   STATE
--------- ------------------------------------ ---------------- ------------                        -------- --------- --------------------
    1 John Doe                             1234567890       password123                            01-JAN-90 Male     Punjab
    2 Jane Smith                           2345678901       password456                            15-FEB-85 Female   Haryana
    3 Bob Johnson                          3456789012       password789                            20-MAY-78 Male     Punjab
    4 Sarah Lee                            4567890123       passwordabc                            03-SEP-95 Female   California
    5 Tom Brown                            5678901234       passworddef                            12-JUL-82 Male     Punjab
    6 Emily Chen                           6789012345       passwordegf                            30-APR-98 Female   California
    7 Mike Wang                            7890123456       passwordhij                            25-NOV-92 Male     Illinois
    8 Lisa Kim                             8901234567       passwordklm                            08-MAR-89 Female   Massachusetts
    9 David Wu                             9012345678       passwordnop                            18-JUN-97 Male     Punjab
   10 Grace Zhang                          0123456789       passwordqrs                            05-DEC-80 Female   Washington

10 rows selected.
```

Answer 4

SELECT * FROM living_space WHERE shared_space='Yes' AND shared_gender='Both' AND numbers_of_shares='3';

HOUSE_NO	OWNER_ID	SPACE_NAME	FULL_FURNISHED_ROOM	TOTAL_FLOOR	AREA_IN_SQRMTR	COST	NUMBER_OF_ROOMS	SHARED_SPACE	SHARED_GEN	NUMBERS_OF_SHARES	STA
124	3	Apartment 2	Yes	5	100	900000	2	Yes	Both	3	Pun

Answer 5

SELECT * FROM living_space ORDER BY state DESC;

_ID	SPACE_NAME	FULL_FURNISHED_ROOM	TOTAL_FLOOR	AREA_IN_SQRMTR	COST	NUMBER_OF_ROOMS	SHARED_SPACE	SHARED_GEN	NUMBERS_OF_SHARES	STATE
3	Apartment 2	Yes	5	100	900000	2	Yes	Both	3	Punjab
1	Apartment 1	Yes	5	100	50000	2	Yes	Female	2	Haryana

ANSWER 6

SELECT state FROM office_space GROUP BY state ORDER BY COUNT(state) DESC FETCH FIRST 1 ROWS ONLY;

```
STATE
--------------------------------------------------
Punjab
```

ANSWER 7

SELECT owners.name FROM owners INNER JOIN office_space ON owners.owner_id = office_space.owners_id INNER JOIN living_space ON owners.owner_id = living_space.owner_id;

Script Output ✕

📌 🖊 💾 🖨 📄 | Task completed in 0.045 seconds

```
NAME
------------------------------------------------
John Smith
Bob Johnson
```

QUESTION 8

SELECT DISTINCT owners.name FROM owners INNER JOIN office_space ON owners.owner_id = office_space.owners_id INNER JOIN living_space ON owners.owner_id = living_space.owner_id WHERE owners.owner_id > 1;

Script Output ✕

📌 🖊 💾 🖨 📄 | Task completed in 0.056 seconds

```
NAME
------------------------------------------------
Bob Johnson
```

ANSWER 9

SELECT office_space.space_name AS office_space_name, living_space.space_name AS living_space_name,

living_booking.status AS living_status, office_booking.status AS office_status, owners.name

FROM owners

INNER JOIN office_space ON office_space.owners_id = owners.owner_id

INNER JOIN living_space ON living_space.owner_id = owners.owner_id

INNER JOIN office_space ON office_space.office_id = office_booking.space_id

INNER JOIN living_space ON living_booking.spaceid = living_space.House_no

WHERE living_space.state = 'ss' AND office_space.state = 'ss';

ANSWER 10

UPDATE office_space

SET state = REPLACE(state, 'LL', 'AA')

WHERE monthly_availability <= TO_DATE('2023-12-25', 'YYYY-MM-DD') AND

    monthly_availability > ADD_MONTHS(SYSDATE, -5);

```
Script Output  ×
📌  ✏  💾  🖨  📄  |  Task completed in 0.064 seconds

0 rows updated.


2 rows updated.
```