

Query Writing:

Single Row Functions:

1. Display e_name, e_hiredate from employee. Sort the data in descending order.

Ans: Select e_name, e_hiredate from employee order by e_hiredate desc;

```
Select e_name, e_hiredate from employee order by e_hiredate desc;
```

Results Explain Describe Saved SQL History

E_NAME	E_HIREDATE
MAKSUD	28-SEP-18
RAHID	12-SEP-18
TANZIN	14-MAY-18
SAMSUDDOHA	25-MAR-18
ARAFAT	02-FEB-18

5 rows returned in 0.00 seconds

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2. Display c_name, c_id from customer who is using the service of UBER where of_id=1224.

Ans: select c_name,c_id from customer where of_id=1224;

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select c_name,c_id from customer where of_id=1224;

Results	Explain	Describe	Saved SQL	History
C_NAME	C_ID			
SANJIDA	141			
AKKAS	690			

2 rows returned in 0.00 seconds [CSV Export](#)

3. Display the incremented salary of driver by \$200, \$150, \$260, \$300, \$140 respectively.

Ans: SELECT d_name,d_salary,
DECODE(d_name,'MIZAN',d_salary+200,'SOBUJ',d_salary+150,'SARWAR',d_salary+260,'RAFIQ',d_salary+300,'SUMON',d_salary+140,
d_salary) "INCREMENTED SALARY" from driver;

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```
SELECT d_name,d_salary, DECODE(d_name,'MIZAN',d_salary+200,'SOBUJ',d_salary+150,'SARWAR',d_salary+260,'RAFIQ',d_salary+300,'SUMON',d_salary+140,d_salary) "INCREMENTED SALARY" from driver;
```

Results Explain Describe Saved SQL History

D_NAME	D_SALARY	INCREMENTED SALARY
MIZAN	230	430
SOBUJ	275	425
SARWAR	210	470
RAFIQ	321	621
SUMON	250	390

5 rows returned in 0.00 seconds

[CSV Export](#)

Group Functions:

- Find the average, minimum and maximum salary of the employees group by of_id. Label the columns AVG, MIN and MAX respectively.

Ans: SELECT avg(e_salary)

AVG,min(e_salary)MIN,max(e_salary)MAX from employee group by of_id;

```
SELECT avg(e_salary) AVG,min(e_salary)MIN,max(e_salary)MAX from employee group by of_id;
```

Results Explain Describe Saved SQL History

AVG	MIN	MAX
750	750	750
3100	1800	5000
1250	1250	1250

3 rows returned in 0.03 seconds

[CSV Export](#)

5. Using count function find out the total customer who is using black or silver color car from the inventory.

Ans: select count(c_id) from car where color='SILVER' or color='BLACK';

```
select count(c_id) from car where color='SILVER' or color='BLACK';
```

Results Explain Describe Saved SQL History

COUNT(C_ID)

4

1 rows returned in 0.00 seconds

[CSV Export](#)

6. Find out the total sum of the full_coverage and liability of all the car insurance from insurance type.

Ans: select sum(full_coverage), sum(liability) from insurance_type;

```
select sum(full_coverage), sum(liability) from insurance_type;
```

Results Explain Describe Saved SQL History

SUM(FULL_COVERAGE)	SUM(LIABILITY)
3037	732

1 rows returned in 0.00 seconds

[CSV Export](#)

Subqueries:

7. Display the car names and year before 2012-year car model where owner id is 5.

Ans: select car_name,year from car where year<(select year from car where ow_id=5);

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select car_name,year from car where year<(select year from car where ow_id=5);

Results Explain Describe Saved SQL History

CAR_NAME	YEAR
ALLION	2006
PREMIO	2011
FIELDER	2006

3 rows returned in 0.00 seconds [CSV Export](#)

8. Display the name of the employees who earn more than employee SAMSUDDOHA.

Ans: select e_name from employee where e_salary>(select e_salary from employee where e_name='SAMSUDDOHA');

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```
select e_name from employee where e_salary>(select e_salary from employee where e_name='SAMSUDDOHA');
```

Results Explain Describe Saved SQL History

E_NAME
RAHID
ARAFAT
MAKSUD

3 rows returned in 0.00 seconds

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9. Display the name of the employee who joined before e_id=33107.

Ans: Select e_name from employee where e_hiredate<(select e_hiredate from employee where e_id='33107');

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Select e_name from employee where e_hiredate<(select e_hiredate from employee where e_id='33107');

Results Explain Describe Saved SQL History

E_NAME
SAMSUDDOHA
TANZIN
ARAFAT

3 rows returned in 0.00 seconds [CSV Export](#)

Joining:

10.