

Husain Trivedi 202300319010105

String:

1. Display length of name and city of each employee.

```
mysql> select length(name) ,length(address) from emplo;
```

length(name)	length(address)
6	9
4	5
5	5
6	9
7	10
6	9

6 rows in set (0.00 sec)

2. Change name of city to lower case using two ways.

```
mysql> select ucase(name) from emplo;
```

ucase(name)
AKSHAY
DEEP
NISHA
BHAVIK
SHANAYA
PRISHA

6 rows in set (0.01 sec)

```
mysql> select upper(name) from emplo;
```

upper(name)
AKSHAY
DEEP
NISHA
BHAVIK
SHANAYA
PRISHA

6 rows in set (0.00 sec)

3. Change name of city. to upper case using two ways

```
mysql> select lower(name) from emplo;
```

lower(name)
akshay
deep
nisha
bhavik
shanaya
prisha

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```
+-----+
6 rows in set (0.00 sec)
```

```
mysql> select lcase(name) from emplo;
```

```
+-----+
| lcase(name) |
+-----+
| akshay      |
| deep        |
| nisha       |
| bhavik      |
| shanaya     |
| prisha      |
+-----+
6 rows in set (0.00 sec)\
```

4. Extract first four characters from each name

```
mysql> select substr(name,-4,4) from emplo;
```

```
+-----+
| substr(name,-4,4) |
+-----+
| shay              |
| Deep              |
| isha              |
| avik              |
| naya              |
| isha              |
+-----+
```

6 rows in set (0.00 sec)

6. Extract four characters of each name from 2nd position using substr function.

```
mysql> select substr(name,2) from emplo;
```

```
+-----+
| substr(name,2) |
+-----+
| kshay          |
| eep            |
| isha           |
| havik          |
| hanaya         |
| risha          |
+-----+
```

6 rows in set (0.00 sec)

7. Display the name and city in one column..

```
mysql> select concat(name," ",address) from emplo;
```

```
+-----+
| concat(name," ",address) |
+-----+
```

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```
+-----+
| Akshay AHMEDABAD |
| Deep SURAT        |
| Nisha Delhi       |
| Bhavik Ahmedabad  |
| Shanaya Chandigarh|
| Prisha Ahmedabad  |
+-----+
6 rows in set (0.00 sec)
```

8. Replace the "ana" with "aa" in the name column
mysql> select replace(name,"ana","aa") from emplo;

```
+-----+
| replace(name,"ana","aa") |
+-----+
| Akshay                   |
| Deep                     |
| Nisha                    |
| Bhavik                   |
| Shaaya                   |
| Prisha                   |
+-----+
6 rows in set (0.00 sec)
```

9. Display the city and name in reverse order.
mysql> select reverse(address),reverse(name) from emplo;

```
+-----+-----+
| reverse(address) | reverse(name) |
+-----+-----+
| DABADEMHA       | yahskA       |
| TARUS           | peeD         |
| ihleD           | ahsiN        |
| dabademhA       | kivahB       |
| hragidnahC      | ayanahS      |
| dabademhA       | ahsirP       |
+-----+-----+
6 rows in set (0.00 sec)
```

10. Display the ASCII value of name.
mysql> select ascii(name) from emplo;

```
+-----+
| ascii(name) |
+-----+
|           65 |
|           68 |
|           78 |
|           66 |
|           83 |
|           80 |
+-----+
```

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6 rows in set (0.00 sec)

11. Display the first occurrence "a" in the name column.

mysql> select * from emplo where name like "a%";

E_id	Name	age	Address	Join_date	Leave_date	Salary
101	Akshay	22	AHMEDABAD	2015-06-22	2022-08-30	22000

1 row in set (0.01 sec)

12. Display the details of employee in ascending order according to name.

mysql> select * from emplo order by name asc;

E_id	Name	age	Address	Join_date	Leave_date	Salary
101	Akshay	22	AHMEDABAD	2015-06-22	2022-08-30	22000
104	Bhavik	20	Ahmedabad	2017-05-10	2022-06-23	21000
102	Deep	24	SURAT	2017-03-12	2021-05-22	25000
103	Nisha	26	Delhi	2015-04-22	2020-07-15	27000
106	Prisha	29	Ahmedabad	2010-07-22	2021-06-12	30000
105	Shanaya	27	Chandigarh	2010-06-12	2022-05-30	28000

6 rows in set (0.01 sec)

13. Display the details of employee in descending order according to city.

mysql> select * from emplo order by address desc;

E_id	Name	age	Address	Join_date	Leave_date	Salary
102	Deep	24	SURAT	2017-03-12	2021-05-22	25000
103	Nisha	26	Delhi	2015-04-22	2020-07-15	27000
105	Shanaya	27	Chandigarh	2010-06-12	2022-05-30	28000
101	Akshay	22	AHMEDABAD	2015-06-22	2022-08-30	22000
104	Bhavik	20	Ahmedabad	2017-05-10	2022-06-23	21000
106	Prisha	29	Ahmedabad	2010-07-22	2021-06-12	30000

6 rows in set (0.00 sec)

MATH::

1. Display the maximum, minimum, average, total of the salary from employee table.

mysql> select max(salary),min(salary),avg(salary),sum(salary) from emplo;

max(salary)	min(salary)	avg(salary)	sum(salary)
30000	21000	25500.0000	153000

2. Display the mod of the age.

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```
mysql> select mod(age,10.) from emplo;
```

```
+-----+
| mod(age,10.) |
+-----+
|           2 |
|           4 |
|           6 |
|           0 |
|           7 |
|           9 |
+-----+
```

6 rows in set (0.00 sec)

Display the salary with the increment of power 2.

```
mysql> select salary*2 from emplo;
```

```
+-----+
| salary*2 |
+-----+
|    44000 |
|    50000 |
|    54000 |
|    42000 |
|    56000 |
|    60000 |
+-----+
```

6 rows in set (0.00 sec)

Date:

Display duration in days for which employce has worked.

```
mysql> select dateDiff(curdate(),join_date) from emplo;
```

```
+-----+
| dateDiff(curdate(),join_date) |
+-----+
|           3387 |
|           2758 |
|           3448 |
|           2699 |
|           5223 |
|           5183 |
+-----+
```

6 rows in set (0.00 sec)

2. Display Eid, name, joinddate and abbreviated week day name of each joindate.

```
mysql> select e_id,name,join_date,date_format(join_date,'%W') from emplo
;
```

```
+-----+-----+-----+-----+
| e_id | name  | join_date | date_format(join_date,'%W') |
+-----+-----+-----+-----+
| 101  | Akshay | 2015-06-22 | Monday |
| 102  | Deep  | 2017-03-12 | Sunday |
| 103  | Nisha  | 2015-04-22 | Wednesday |
+-----+-----+-----+-----+
```

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```
| 104 | Bhavik | 2017-05-10 | Wednesday |
| 105 | Shanaya | 2010-06-12 | Saturday |
| 106 | Prisha | 2010-07-22 | Thursday |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

3. Display Eid, Ename, joinddate and abbreviated full and half month name of each joindate.

```
mysql> select e_id,name,join_date,date_format(join_date,'%b') from emplo
;
```

```
+-----+-----+-----+-----+
| e_id | name   | join_date | date_format(join_date,'%b') |
+-----+-----+-----+-----+
| 101 | Akshay | 2015-06-22 | Jun |
| 102 | Deep   | 2017-03-12 | Mar |
| 103 | Nisha  | 2015-04-22 | Apr |
| 104 | Bhavik | 2017-05-10 | May |
| 105 | Shanaya | 2010-06-12 | Jun |
| 106 | Prisha | 2010-07-22 | Jul |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

4. Display the details of the employee whose joining year is greater than 2010.

```
mysql> select * from emplo where year(join_date)>2010;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| E_id | Name   | age | Address   | Join_date | Leave_date | Salary |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | Akshay | 22  | AHMEDABAD | 2015-06-22 | 2022-08-30 | 22000 |
| 102 | Deep   | 24  | SURAT     | 2017-03-12 | 2021-05-22 | 25000 |
| 103 | Nisha  | 26  | Delhi     | 2015-04-22 | 2020-07-15 | 27000 |
| 104 | Bhavik | 20  | Ahmedabad | 2017-05-10 | 2022-06-23 | 21000 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

5. Display the date and time from the system.

```
mysql> select curdate();
```

```
+-----+
| curdate() |
+-----+
| 2024-09-30 |
+-----+
```

1 row in set (0.00 sec)

```
mysql> select * from students;
```

```
+-----+-----+-----+-----+-----+-----+
| Student_id | First_name | Last_name | dateofbirth | gender | email |
| phone      | address    | Postal_code | city        |
+-----+-----+-----+-----+-----+-----+
| 2 | Afgan | Solanki | 1999-05-05 | Male | Husain22@gmail.com |
| 741258963 | S G Highway | 380001 | Ahmedabad |
```

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3	Mahek	Patel	1995-08-21	FeMale	
ABC432@gmail.com	125478963	Paldi	452110	Ahmedabad	
4	Swayam	Ghosht	1991-08-02	Male	
jhy765@gmail.com	741258936	Greenland	360001	Rajkot	
5	Naran	bhatt	2000-05-31	Male	
lkio98@gmail.com	785412369	Greenchowk	363421	Limbdi	
1	Husain	Trivedi	1979-02-03	Male	
Husaintd2@gmail.com	76983798	C G Road	363421	Ahmedabad	

5 rows in set (0.00 sec)

mysql> select * from professors order by professorid asc;

Professorid	First_name	Last_name	Department_id	email	phone
1	Prince	Solanki	445	huy768@gmail.com	123654789
2	Dhruv	patel	446	oiuy876@gmail.com	879546231
3	Krishna	Satya	447	plok99@gmail.com	852147963
4	Prince	Nokad	448	uhji22@gmail.com	546321897
5	Vijay	jiv	449	mkjn22@gmail.com	825936714

5 rows in set (0.00 sec)

mysql> select distinct first_name from professors order by First_name desc;;

first_name
Vijay
Prince
Krishna
Dhruv

4 rows in set (0.00 sec)

mysql> select ascii('a');

ascii('a')
97

1 row in set (0.00 sec)

mysql> select ascii(first_name) from students;

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```
| ascii(first_name) |
+-----+
|          65 |
|          77 |
|          83 |
|          78 |
|          72 |
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select concat(Student_id," ",First_name," ",Last_name," ",address)
from students;
```

```
+-----+
| concat(Student_id," ",First_name," ",Last_name," ",address) |
+-----+
| 2 Afgan Solanki S G Highway |
| 3 Mahek Patel Paldi |
| 4 Swayam Ghosht Greenland |
| 5 Naran bhatt Greenchowk |
| 1 Husain Trivedi C G Road |
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select position('I' in first_name) from students;
```

```
+-----+
| position('I' in first_name) |
+-----+
|          0 |
|          0 |
|          0 |
|          0 |
|          5 |
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select replace(email,"com","co.in") from students;
```

```
+-----+
| replace(email,"com","co.in") |
+-----+
| Husain22@gmail.co.in |
| ABC432@gmail.co.in |
| jhy765@gmail.co.in |
| lkio98@gmail.co.in |
| Husaintd2@gmail.co.in |
+-----+
```

5 rows in set (0.00 sec)

5 rows in set (0.00 sec)

```
mysql> select replace(city,'Limbdì','Bombay') from students;
```

```
+-----+
| replace(city,'Limbdì','Bombay') |
+-----+
| Ahmedabad |
| Ahmedabad |
| Rajkot |
+-----+
```


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```
| Bombay |
| Ahmedabad |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select reverse(last_name) from professors;
+-----+
| reverse(last_name) |
+-----+
| iknaloS            |
| letap              |
| aytaS              |
| dakoN              |
| vij                |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select ucase(First_name) from professors;
+-----+
| ucase(First_name) |
+-----+
| PRINCE            |
| DHRUV             |
| KRISHA            |
| PRINCE            |
| VIJAY             |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select lcase(email) from professors;
+-----+
| lcase(email)      |
+-----+
| huy768@gmail.com  |
| oiuy876@gmail.com |
| plok99@gmail.com  |
| uhji22@gmail.com  |
| mkjn22@gmail.com  |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select length(first_name) from professors;
+-----+
| length(first_name) |
+-----+
| 6 |
| 5 |
| 6 |
| 6 |
| 5 |
+-----+
5 rows in set (0.00 sec)
```

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```
mysql> select repeat(city,3) from students;
```

```
+-----+
| repeat(city,3) |
+-----+
| AhmedabadAhmedabadAhmedabad |
| AhmedabadAhmedabadAhmedabad |
| RajkotRajkotRajkot |
| LimbdiLimbdiLimbdi |
| AhmedabadAhmedabadAhmedabad |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select substr(first_name,2,5) from professors;
```

```
+-----+
| substr(first_name,2,5) |
+-----+
| rince |
| hruv |
| risha |
| rince |
| ijay |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select left(first_name,5) from professors;
```

```
+-----+
| left(first_name,5) |
+-----+
| Princ |
| Dhruv |
| Krish |
| Princ |
| Vijay |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select right(first_name,5) from professors;
```

```
+-----+
| right(first_name,5) |
+-----+
| rince |
| Dhruv |
| risha |
| rince |
| Vijay |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select avg(marks) from marksheet where studentid=1;
```

```
+-----+
| avg(marks) |
```

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```
+-----+  
|      45.0000 |  
+-----+
```

1 row in set (0.00 sec)

mysql> select sum(marks) from marksheet where studentid=3;

```
+-----+  
| sum(marks) |  
+-----+
```

```
|          54 |  
+-----+
```

1 row in set (0.00 sec)

mysql> select ceil(avg(marks)) from marksheet where studentid=2;

```
+-----+  
| ceil(avg(marks)) |  
+-----+
```

```
|          58 |  
+-----+
```

1 row in set (0.00 sec)

mysql> select floor(avg(marks)) from marksheet where studentid=3;

```
+-----+  
| floor(avg(marks)) |  
+-----+
```

```
|          54 |  
+-----+
```

1 row in set (0.00 sec)

mysql> select max(marks) from marksheet where studentid=3;

```
+-----+  
| max(marks) |  
+-----+
```

```
|          54 |  
+-----+
```

1 row in set (0.00 sec)

mysql> select min(marks) from marksheet where studentid=1;

```
+-----+  
| min(marks) |  
+-----+
```

```
|          45 |  
+-----+
```

1 row in set (0.00 sec)

mysql> select mod(marks,10) from marksheet;

```
+-----+  
| mod(marks,10) |  
+-----+
```

```
|          5 |  
+-----+
```

```
|          8 |  
+-----+
```

```
|          4 |  
+-----+
```

```
|          8 |  
+-----+
```

```
|          7 |  
+-----+
```

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```
+-----+
5 rows in set (0.00 sec)
```

```
mysql> select pow(marks,2) from marksheet;
```

```
+-----+
| pow(marks,2) |
+-----+
|          2025 |
|          3364 |
|          2916 |
|          3364 |
|          7569 |
+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> select day(dateofbirth),month(dateofbirth),year(dateofbirth) from
students;
```

```
+-----+-----+-----+
| day(dateofbirth) | month(dateofbirth) | year(dateofbirth) |
+-----+-----+-----+
|          3      |          2         |          1979     |
|          5      |          5         |          1999     |
|         21      |          8         |          1995     |
|          2      |          8         |          1991     |
|         31      |          5         |          2000     |
+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> select sysdate();
```

```
+-----+
| sysdate() |
+-----+
| 2024-10-01 00:25:54 |
+-----+
```

```
1 row in set (0.00 sec)
```

3. Display the Name and age of the student.

```
mysql> select
First_name,Last_name,TIMESTAMPdiff(YEAR,dateofbirth,CURDATE()) from
students;
```

```
+-----+-----+-----+
| First_name | Last_name | TIMESTAMPdiff(YEAR,dateofbirth,CURDATE()) |
+-----+-----+-----+
| Husain    | Trivedi   | 45 |
| Afgan     | Solanki   | 25 |
| Mahek     | Patel     | 29 |
| Swayam    | Ghosht    | 33 |
| Naran     | bhatt     | 24 |
+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

4. Display character of ASCII = 97.

```
mysql> SELECT ASCII('a');
```

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```
+-----+
| ASCII('a') |
+-----+
|          97 |
+-----+
1 row in set (0.00 sec)
```

5. Display the round of 333.44567 till 3 positions.
mysql> select round(333.44567,3);

```
+-----+
| round(333.44567,3) |
+-----+
|          333.446 |
+-----+
1 row in set (0.00 sec)
```

6. Display the least & greatest number out of 3456,6789,9876,5432.
mysql> select least(3456,6789,9876,5432);

```
+-----+
| least(3456,6789,9876,5432) |
+-----+
|                3456 |
+-----+
```

6. Display the least & greatest number out of 3456,6789,9876,5432.
mysql> select greatest(3456,6789,9876,5432);

```
+-----+
| greatest(3456,6789,9876,5432) |
+-----+
|                9876 |
+-----+
1 row in set (0.00 sec)
```

7. Display the sine and cosine of 4.7.

mysql> select sin(4.7);

```
+-----+
| sin(4.7) |
+-----+
| -0.9999232575641008 |
+-----+
1 row in set (0.00 sec)
```

mysql> select cos(4.7);

```
+-----+
| cos(4.7) |
+-----+
| -0.01238866346289056 |
+-----+
1 row in set (0.00 sec)
```

8. Display the value of PI through the math function.

mysql> select pi();

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```
+-----+
| pi()   |
+-----+
| 3.141593 |
+-----+
1 row in set (0.00 sec)
```

9. Add 15 minutes to a date and return the date.

```
mysql> select date_add('1979-5-8',INTERVAL 15 Minute);
+-----+
| date_add('1979-5-8',INTERVAL 15 Minute) |
+-----+
| 1979-05-08 00:15:00                      |
+-----+
1 row in set (0.00 sec)
```

10. Add 15 DAYS to DATE OF BIRTH and return the date.

```
mysql> select date_add(dateofbirth,INTERVAL 15 day) from students;
+-----+
| date_add(dateofbirth,INTERVAL 15 day) |
+-----+
| 1979-02-18                            |
| 1999-05-20                            |
| 1995-09-05                            |
| 1991-08-17                            |
| 2000-06-15                            |
+-----+
5 rows in set (0.00 sec)
```

12. Return the day of the month for a date: 2017-06-15.

```
mysql> select date_format('2017-6-15','%W');
+-----+
| date_format('2017-6-15','%W') |
+-----+
| Thursday                      |
+-----+
1 row in set (0.00 sec)
```

13. Return the day of the month for the current system date.

```
mysql> select date_format(curdate(),'%W');
+-----+
| date_format(curdate(),'%W') |
+-----+
| Tuesday                     |
+-----+
1 row in set (0.00 sec)
```

TASK 3:
Airline database

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List the details of Flights table

```
mysql> select * from flights;
```

```
+-----+-----+-----+-----+-----+-----+-----+
+-----+
| flno | from_city | to_city      | distance | departs | arrives | price |
flightname |
+-----+-----+-----+-----+-----+-----+-----+
+-----+
| 1 | Dubai | Afghanistan | 10 | 1 | 8 | 5000 |
nb45 |
| 2 | Karachi | Delhi | 200 | 9 | 13 | 10000 |
fs65 |
| 3 | Houston | Rajkot | 900 | 14 | 21 | 2000 |
fe55 |
| 4 | Russia | ukraine | 600 | 22 | 2 | 4000 |
dw55 |
| 5 | Ahmedabad | Torento | 200 | 1 | 6 | 3000 |
d25 |
+-----+-----+-----+-----+-----+-----+-----+
+-----+
```

5 rows in set (0.00 sec)

Increase the prices by 50 percent in the Flight Table of all Rows.

```
ysql> select price*2 from flights;
```

```
+-----+
| price*2 |
+-----+
| 10000 |
| 20000 |
| 4000 |
| 8000 |
| 6000 |
+-----+
```

5 rows in set (0.00 sec)

Display the details of Flight from "Chennai"

```
sql> select * from flights where from_city="chennai";
```

```
+-----+-----+-----+-----+-----+-----+-----+
+-----+
| flno | from_city | to_city      | distance | departs | arrives | price |
flightname |
+-----+-----+-----+-----+-----+-----+-----+
+-----+
| 1 | chennai | Afghanistan | 10 | 1 | 8 | 5000 |
| nb45 |
+-----+-----+-----+-----+-----+-----+-----+
+-----+
```

1 row in set (0.00 sec)

- Delete the rows whose flno is 10 in the Flights table.

```
ysql> select * from flights where flno=10;
```

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```
+-----+-----+-----+-----+-----+-----+-----+
+-----+
| flno | from_city | to_city | distance | departs | arrives | price |
flightname |
+-----+-----+-----+-----+-----+-----+-----+
+-----+

| 10 | Dubai | Afghanistan | 10 | 1 | 8 | 5000 |
nb45 |
+-----+-----+-----+-----+-----+-----+-----+
+-----+
1 row in set (0.00 sec)
```

• Display employees whose salary is more than 10,000

```
mysql> select * from emp where salary>=10000;
```

```
+-----+-----+-----+
| eid | ename | salary |
+-----+-----+-----+
| 11 | Maharshi | 10000 |
| 13 | Krishna | 20000 |
| 14 | Ashish | 30000 |
| 15 | Harsh | 40000 |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

Display the result by Adding three columns

"from_city", "to_city", "distance" into one "Flight details" column.

```
sql> select concat(from_city," ",to_city," ",distance) as flights_details
from flights;
```

```
+-----+
| flights_details |
+-----+
| Dubai Afghanistan 10 |
| Karachi Delhi 200 |
| Houston Rajkot 900 |
| Russia ukraine 600 |
| Ahmedabad Toronto 200 |
+-----+
5 rows in set (0.00 sec)
```

Display the previous result by Extracting 2 characters from the "from city" and "to city" column (starting from left) and instead of distance, add "price" column with "-" separator into one "Price List" column.

```
mysql> select left(from_city,2),left(to_city,2),concat(price,'-price_list')
from flights;
```

```
+-----+-----+-----+
| left(from_city,2) | left(to_city,2) | concat(price,'-price_list') |
+-----+-----+-----+
| Du | Af | 5000-price_list |
+-----+-----+-----+
```


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Ka	De	10000-price_list	
Ho	Ra	2000-price_list	
Ru	uk	4000-price_list	
Ah	To	3000-price_list	

+-----+-----+-----+-----+
5 rows in set (0.00 sec)

- Display Flightname and price of flights having maximum price out of all flights.

```
mysql> select flightname,price from flights where price=(select max(price)
from flights)
```

```
-> ;
+-----+-----+
| flightname | price |
+-----+-----+
| fs65       | 10000 |
+-----+-----+
1 row in set (0.00 sec)
```

- Display details of all the employees.

```
mysql> select * from employee;
```

Emp_id	First_name	Lastname	Hiredate	city	designo	deptno	salary
87	1	Husain	Trivedi	2007-08-07	Banglore	45	20000
14	2	AAkash	SOLanki	1999-05-09	Chennai	87	10000
19	3	Maqsad	aamir	1996-07-02	Hydrabad	88	40000
84	4	Nasir	Solanki	1999-05-04	Kathmandu	55	45000
81	5	Prince	Patel	1954-08-04	Kolkatta	58	74000

+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

- Increase salary of all employees by 12% in Employee.

```
mysql> update employee set salary=(salary*12)/100;
```

Query OK, 5 rows affected (0.01 sec)

Rows matched: 5 Change

d: 5

- Drop the city column.

```
mysql> alter table employee drop column city;
```

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

List the details of those employees whose salary is more than 25000.

```
mysql> select * from employee where salary>25000;
```

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```
+-----+-----+-----+-----+-----+-----+-----+
-+
| Emp_id | First_name | Lastname | Hiredate   | designo | deptno | salary
|
+-----+-----+-----+-----+-----+-----+-----+
-+
|      1 | Husain     | Trivedi  | 2007-08-07 |      45 |      87 | 48000
|
|      2 | Aakash    | Solanki  | 1999-05-09 |      87 |      14 | 48000
|
|      3 | Maqsad    | aamir    | 1996-07-02 |      88 |      19 | 48000
|
|      4 | Nasir     | Solanki  | 1999-05-04 |      55 |      84 | 48000
|
|      5 | Prince    | Patel    | 1954-08-04 |      58 |      81 | 48000
|
+-----+-----+-----+-----+-----+-----+-----+
-+
```

5 rows in set (0.00 sec)

Delete the rows where Project status is completed.
mysql> delete from project where status="completed";
Query OK, 2 rows affected (0.01 sec)

List the Employee who are in the city 'Bangalore'.
mysql> select * from employee where city="Ahmedabad";

```
+-----+-----+-----+-----+-----+-----+-----+
-+-----+
| Emp_id | First_name | Lastname | Hiredate   | designo | deptno | salary
| city    |
+-----+-----+-----+-----+-----+-----+-----+
-+-----+
|      2 | Aakash    | Patel    | 1998-05-04 |      87 |      14 | 47000
| Bangalore |
+-----+-----+-----+-----+-----+-----+-----+
-+-----+

```

1 row in set (0.00 sec)

• List the Employee name twice who are in the city 'Ahmedabad'.
mysql> select * from employee where city="Ahmedabad";

```
+-----+-----+-----+-----+-----+-----+-----+
-+-----+
| Emp_id | First_name | Lastname | Hiredate   | designo | deptno | salary
| city    |
+-----+-----+-----+-----+-----+-----+-----+
-+-----+
|      3 | Ayushi    | Solanki  | 1999-05-09 |      88 |      24 | 48000
| Ahmedabad |
+-----+-----+-----+-----+-----+-----+-----+
-+-----+

```

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1 row in set (0.00 sec)

- Display firstname of all the employees returning ASCII values.

```
mysql> select ascii(First_name) from employee;
```

```
+-----+
| ascii(First_name) |
+-----+
|                72 |
|                65 |
|                77 |
|                78 |
|                80 |
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select concat(first_name," ",first_name) from employee where
city="Ahmedabad";
```

```
+-----+
| concat(first_name," ",first_name) |
+-----+
| Aakash Aakash                      |
+-----+
```

1 row in set (0.00 sec)

```
mysql> select * from employee where first_name like '%o%';
```

```
+-----+-----+-----+-----+-----+-----+-----+
| Emp_id | First_name | Lastname | Hiredate | designo | deptno | salary |
| city   |            |          |          |          |         |         |
+-----+-----+-----+-----+-----+-----+-----+
| 1      | Nobita    | Trivedi  | 2007-08-07 | 45      | 87      | 48000  |
| Bangalore |          |          |          |          |         |         |
+-----+-----+-----+-----+-----+-----+-----+
```

1 row in set (0.00 sec)

- Display details of all the employees returning in uppercase.

```
mysql> select ucase(First_name) as firstname,ucase(Lastname) as
last_name,ucase(city) as city,emp_id,Hiredate,designo,deptno,salary from
employee;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| firstname | last_name | city       | emp_id | Hiredate | designo | deptno | salary |
+-----+-----+-----+-----+-----+-----+-----+
| HUSAIN    | TRIVEDI   | BANGLORE   | 1      | 2007-08-07 | 45      | 87      | 48000  |
| AAKASH    | SOLANKI   | AHMEDABAD  | 2      | 1999-05-09 | 87      | 14      | 48000  |
+-----+-----+-----+-----+-----+-----+-----+
```

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19	MAQSAD	AAMIR	NULL	3	1996-07-02	88
84	NASIR	SOLANKI	NULL	4	1999-05-04	55
81	PRINCE	PATEL	NULL	5	1954-08-04	58

5 rows in set (0.00 sec)

• Display details of all the projects returning in lowercase.

mysql> select project_id,lcase(proj_name) as project_name,lcase(city) as city, lcase(status) as status from designation;

project_id	project_name	city	status
10	lkh	ahmedabad	on going
13	ert	dhari	on going
14	cdf	porbandar	on going

3 rows in set (0.00 sec)

Search for the letter "o" in FirstName.

mysql> select * from employee where first_name like '%o%';

Emp_id	First_name	Lastname	Hiredate	designo	deptno	salary
1	Nobita	Trivedi	2007-08-07	45	87	48000

1 row in set (0.00 sec)

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