# MySQL Assignment\_1

```
/*1. Create a database named company and a table named employees with the following fields:
id (INT, Primary Key, Auto Increment)
name (VARCHAR(100))
position (VARCHAR(100))
salary (DECIMAL(10,2))
date_of_joining (DATE)*/
create database company;
use company;
create table employees(
id int primary key auto_increment,
name varchar(100),
position varchar(100),
salary decimal(10,2),
date_of_joining date);
      6 12:23:30 create database company
                                                                         1 row(s) affected
      7 12:23:36 use company
                                                                         0 row(s) affected
```

8 12:23:45 create table employees (id int primary key auto\_increment, name varchar(100), position varc... 0 row(s) affected

/\*2. Insert the following data into the employees table:

John Doe, Manager, 55000.00, 2020-01-15

Jane Smith, Developer, 48000.00, 2019-07-10

Alice Johnson, Designer, 45000.00, 2021-03-22

Bob Brown, Developer, 50000.00, 2018-11-01\*/

insert into employees(name, position, salary, date\_of\_joining)

values("John Doe", "Manager",55000.00,"2020-01-15"),

("Jane Smith","Developer",48000.00,"2019-07-10"),

("Alice Johnson", "Designer", 45000.00, "2021-03-22"),

("Bob Brown", "Developer", 50000.00, "2018-11-01");

#### select \* from employees;

id	name	position	salary	date_of_joining
1	John Doe	Manager	55000.00	2020-01-15
2	Jane Smith	Developer	48000.00	2019-07-10
3	Alice Johnson	Designer	45000.00	2021-03-22
4	Bob Brown	Developer	50000.00	2018-11-01
NULL	NULL	NULL	NULL	NULL

/\*3. Write a query to retrieve all employees who are Developers.\*/

#### select \* from employees where position="Developer";

id	name	position	salary	date_of_joining
2	Jane Smith	Developer	48000.00	2019-07-10
4	Bob Brown	Developer	50000.00	2018-11-01
NULL	NULL	NULL	NULL	NULL

/\*4. Write a query to update the salary of Alice Johnson to 46000.00.\*/

 $SET SQL\_SAFE\_UPDATES = 0;$ 

update employees

set salary=46000.00 where name="Alice Johnson";

select \* from employees;

id	name	position	salary	date_of_joining
1	John Doe	Manager	55000.00	2020-01-15
2	Jane Smith	Developer	48000.00	2019-07-10
3	Alice Johnson	Designer	46000.00	2021-03-22
4	Bob Brown	Developer	50000.00	2018-11-01
NULL	NULL	NULL	NULL	NULL

/\*5. Write a query to delete the employee record for Bob Brown.\*/

delete from employees where name="Bob Brown";

select \* from employees;

id	name	position	salary	date_of_joining
1	John Doe	Manager	55000.00	2020-01-15
2	Jane Smith	Developer	48000.00	2019-07-10
3	Alice Johnson	Designer	46000.00	2021-03-22
NULL	NULL	NULL	NULL	NULL

/\*6. Write a query to find the employees who have a salary greater than 48000.\*/

select name from employees where salary>48000;

name			
John Doe			

/\*7. Write a query to add a new column email to the employees table.\*/

#### alter table employees

#### add email varchar(20);

### select \* from employees;

id	name	position	salary	date_of_joining	email
1	John Doe	Manager	55000.00	2020-01-15	NULL
2	Jane Smith	Developer	48000.00	2019-07-10	NULL
3	Alice Johnson	Designer	46000.00	2021-03-22	NULL
NULL	NULL	NULL	NULL	NULL	NULL

/\*8. Write a query to update the email for John Doe to john.doe@company.com.\*/

# update employees

set email="john.doe@company.com" where name="John Doe";

#### select \* from employees;

id	name	position	salary	date_of_joining	email
1	John Doe	Manager	55000.00	2020-01-15	john.doe@company.com
2	Jane Smith	Developer	48000.00	2019-07-10	NULL
3	Alice Johnson	Designer	46000.00	2021-03-22	NULL
NULL	NULL	NULL	NULL	NULL	NULL

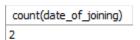
/\*9. Write a query to retrieve only the name and salary of all employees.\*/

### select name, salary from employees;

name	salary
John Doe	55000.00
Jane Smith	48000.00
Alice Johnson	46000.00

/\*10. Write a query to count the number of employees who joined after January 1, 2020.\*/

select count(date\_of\_joining) from employees where date\_of\_joining>''2020-01-01'';



/\*11. Write a query to order the employees by salary in descending order.\*/

# select \* from employees order by salary desc;

id	name	position	salary	date_of_joining	email
1	John Doe	Manager	55000.00	2020-01-15	john.doe@company.com
2	Jane Smith	Developer	48000.00	2019-07-10	NULL
3	Alice Johnson	Designer	46000.00	2021-03-22	NULL
NULL	NULL	NULL	NULL	NULL	NULL

/\*12. Write a query to drop the email column from the employees table.\*/

# alter table employees

# drop email;

# select \* from employees;

id	name	position	salary	date_of_joining
1	John Doe	Manager	55000.00	2020-01-15
2	Jane Smith	Developer	48000.00	2019-07-10
3	Alice Johnson	Designer	46000.00	2021-03-22
NULL	NULL	NULL	NULL	NULL

/\*13. Write a query to find the employee with the highest salary.\*/

# select name from employees order by salary desc limit 1;

