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";

count(date_of_joining)
2

/*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 ;

name
John Doe