MySQL Assignment\_1

Question.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)

ANSWER

create database companyASS;

use companyASS;

create table employees(

id int primary key auto\_increment,

name varchar(100),

position varchar(100),

salary decimal(10,2),

date\_of\_joining date);

QUESTION.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

ANSWER

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;

QUESTION.3 Write a query to retrieve all employees who are Developers.

ANSWER.

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

QUESTION-4 .Write a query to update the salary of Alice Johnson to 46000.00.

ANSWER.

SET SQL\_SAFE\_UPDATES = 0;

update employees

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

select \* from employees;

QUESTION-5. Write a query to delete the employee record for Bob Brown.

ANSWER

delete from employees where name="Bob Brown";

select \* from employees;

QUESTION-6. Write a query to find the employees who have a salary greater than 48000.

ANSWER

select name from employees where salary>48000;

QUESTION-7. Write a query to add a new column email to the employees table.

ANSWER

alter table employees

add email varchar(20);

select \* from employees;

QUESTION-8. Write a query to update the email for John Doe to [john.doe@company.com](mailto:john.doe@company.com).

ANSWER

update employees

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

select \* from employees;

QUESTION-9. Write a query to retrieve only the name and salary of all employees.

ANSWER

select name, salary from employees;

QUESTION-10. Write a query to count the number of employees who joined after January 1, 2020.

ANSWER

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

QUESTION-11. Write a query to order the employees by salary in descending order.

ANSWER

select \* from employees order by salary desc;

QUESTION-12. Write a query to drop the email column from the employees table.

ANSWER

alter table employees

drop email;

select \* from employees;

QUESTION-13. Write a query to find the employee with the highest salary.

ANSWER

select name from employees order by salary desc limit 1 ;