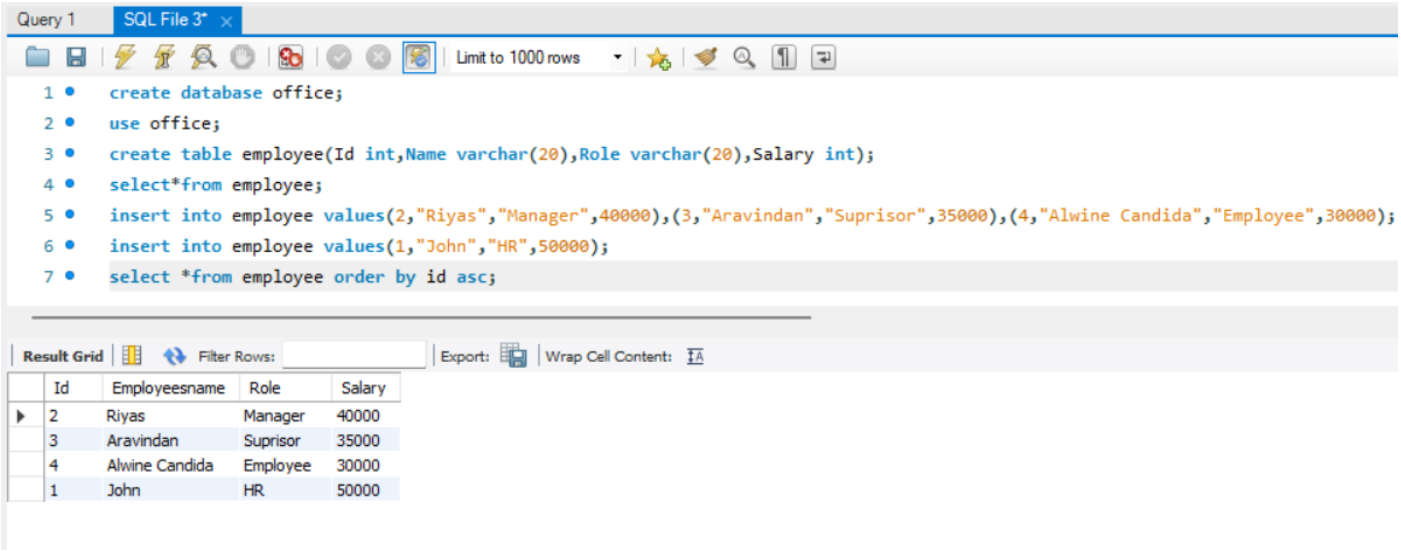
SQL PRACTICE

1.) Write a query to insert a new employee into the Employees table with values (1, 'John', 'HR', 50000).

QUERY:

```
create database office;

use office;

create table employee(Id int,Name varchar(20),Role varchar(20),Salary int);

select*from employee;

insert into employee
values(2,”Riyas”,”Manager”,40000),(3,"Aravindan","Suprisor",35000),(4,"Alwine Candida","Employee",30000);

insert into employee values(1,"John","HR",50000);

select *from employee order by id asc;
```

QUERY WITH OUTPUT:

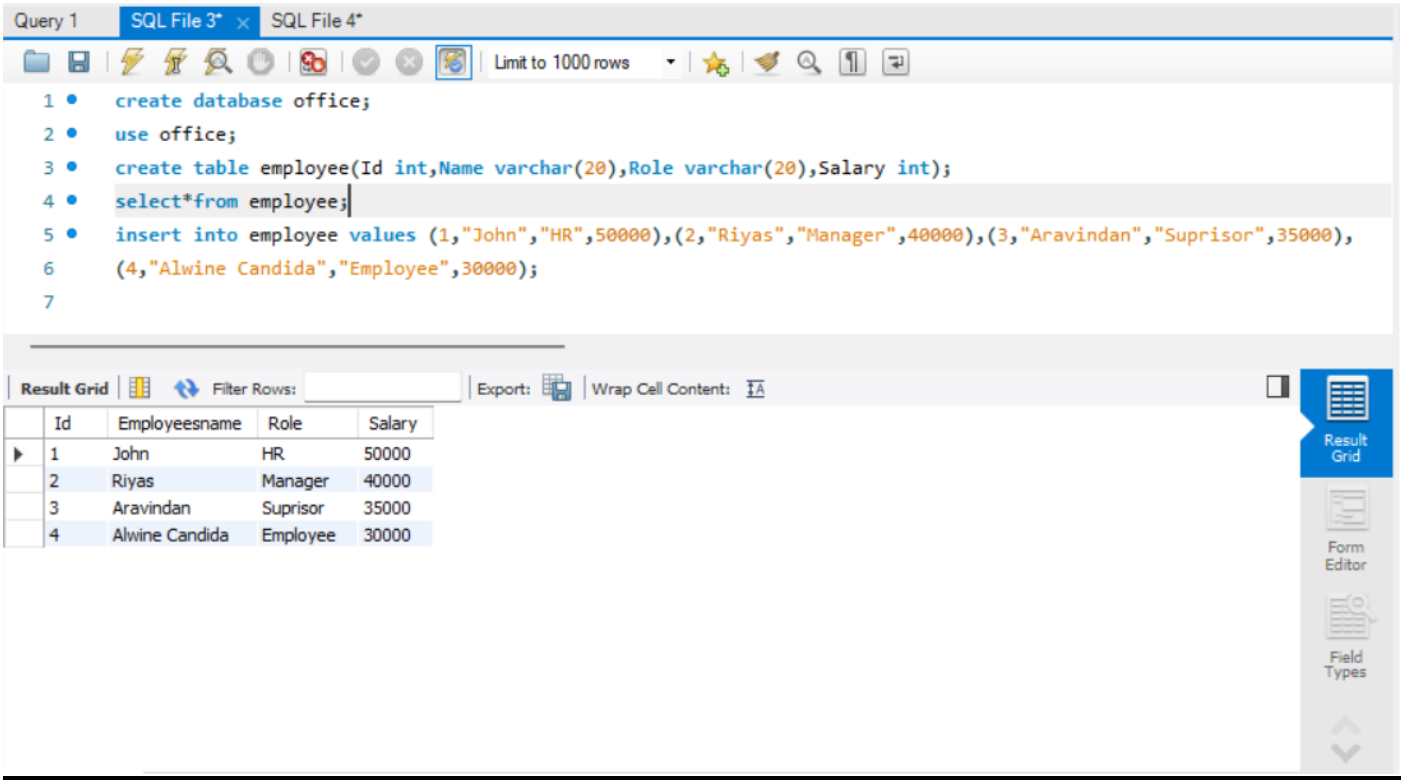


2.) Write a query to insert multiple rows into a table in a single query.

QUERY:

```
create database office;
use office;
create table employee(Id int,Name varchar(20),Role varchar(20),Salary int);
select*from employee;
insert into employee values
(1,"John","HR",50000),(2,"Riyas","Manager",40000),(3,"Aravindan","Suprisor",35000),
(4,"Alwine Candida","Employee",30000);
```

QUERY WITH OUTPUT:

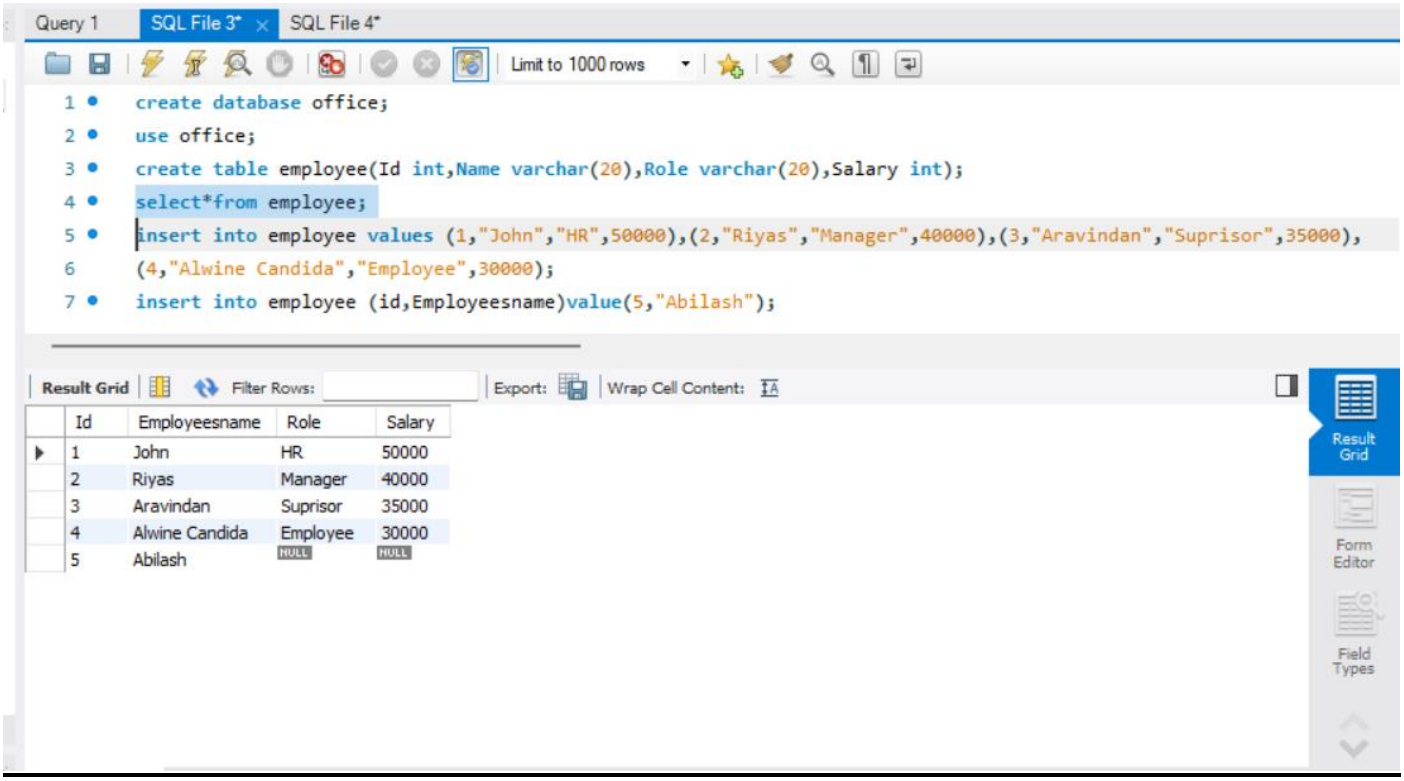


3.) Write an INSERT query where only some columns are provided (not all).

QUERY:

```
create database office;
use office;
create table employee(Id int,Name varchar(20),Role varchar(20),Salary int);
select*from employee;
insert into employee values
(1,"John","HR",50000),(2,"Riyas","Manager",40000),(3,"Aravindan","Suprisor",35000),
(4,"Alwine Candida","Employee",30000);
insert into employee (id,Employeesname)value(5,"Abilash");
```

QUERY WITH OUTPUT:

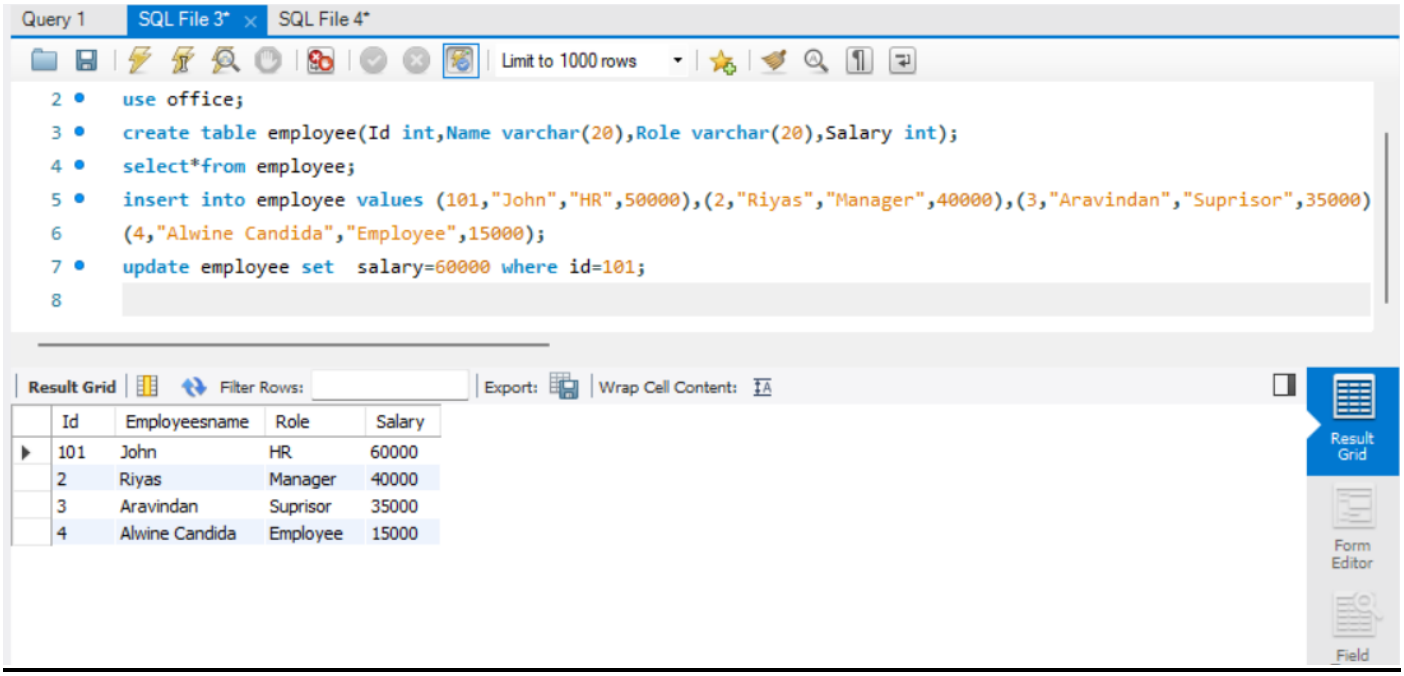


4.)Write a query to update the salary of an employee with ID = 101 to 60000.

QUERY:

```
create database office;
use office;
create table employee(Id int,Name varchar(20),Role varchar(20),Salary int);
select*from employee;
insert into employee values
(101,"John","HR",50000),(2,"Riyas","Manager",40000),(3,"Aravindan","Suprisor",35000),
(4,"Alwine Candida","Employee",15000);
update employee set  salary=60000 where id=101;
```

QUERY WITH OUTPUT:

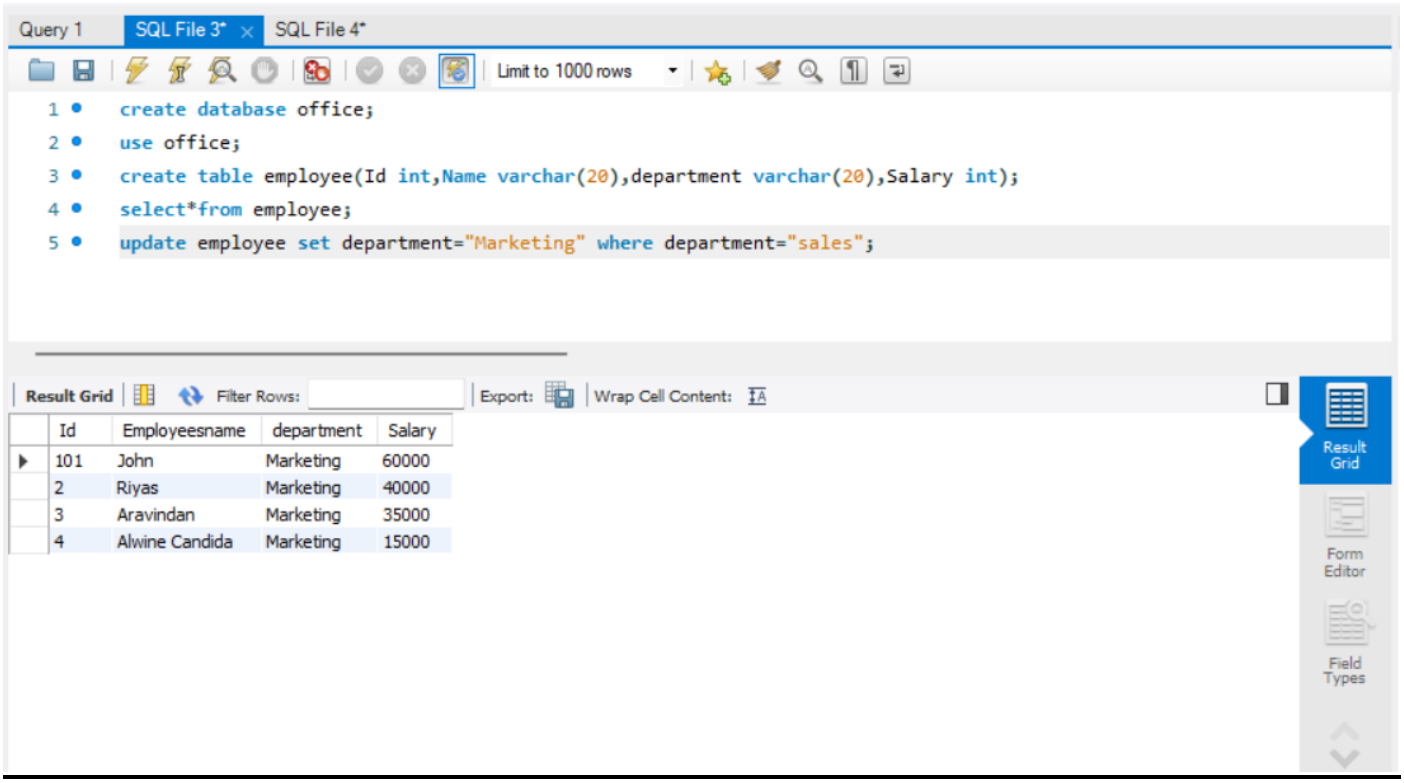


5.)Update the department of all employees from 'Sales' to 'Marketing'.

QUERY:

```
create database office;
use office;
create table employee(Id int,Name varchar(20),department varchar(20),Salary int);
select*from employee;
update employee set department="Marketing" where department="sales";
```

QUERY WITH OUTPUT:



6.) Increase salary by 10% for all employees in the 'IT' department.

QUERY:

create database office;

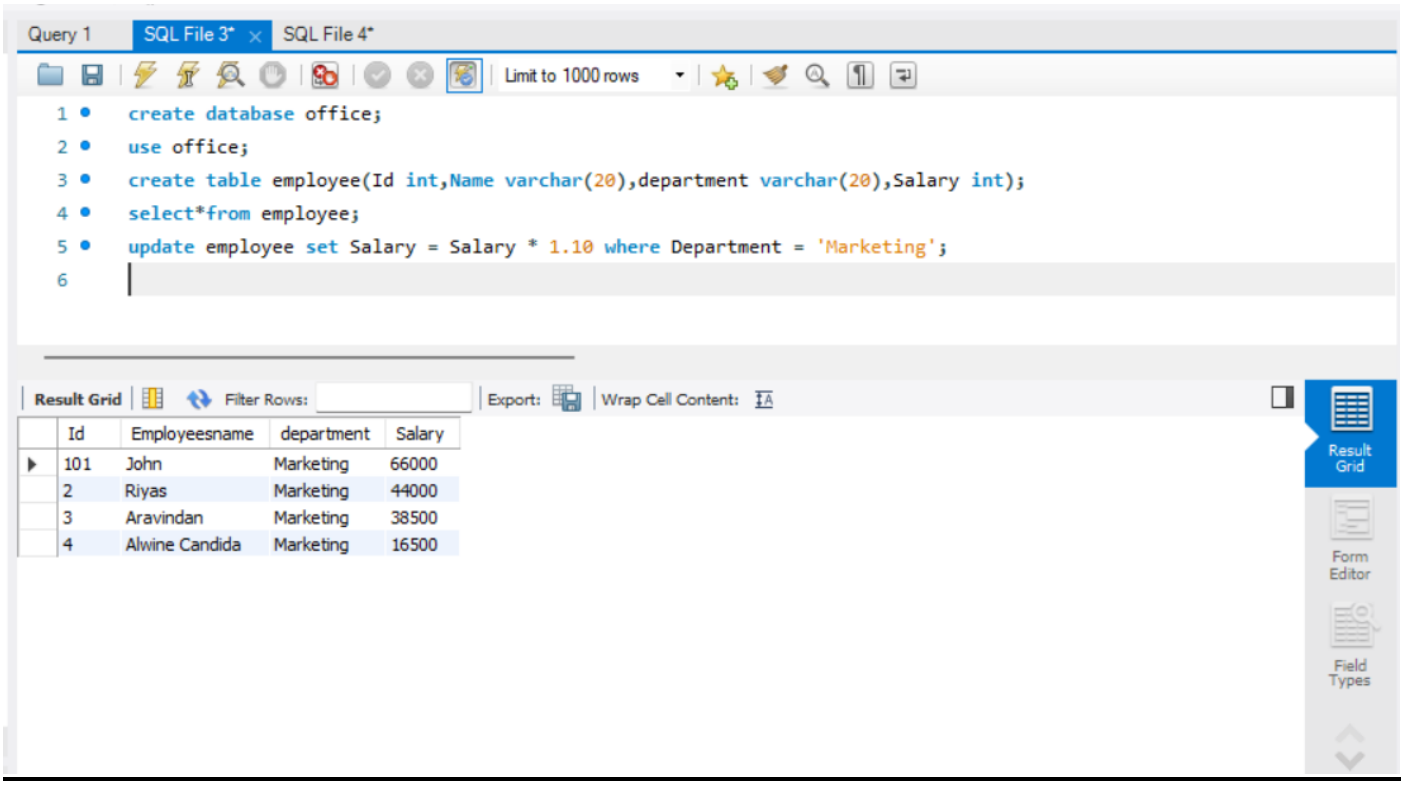
use office;

create table employee(Id int,Name varchar(20),department varchar(20),Salary int);

select*from employee;

update employee set Salary = Salary * 1.10 where Department = 'Marketing';

QUERY WITH OUTPUT:



7.) Write a query to update multiple columns in a table using a single statement.

QUERY:

create database office;

use office;

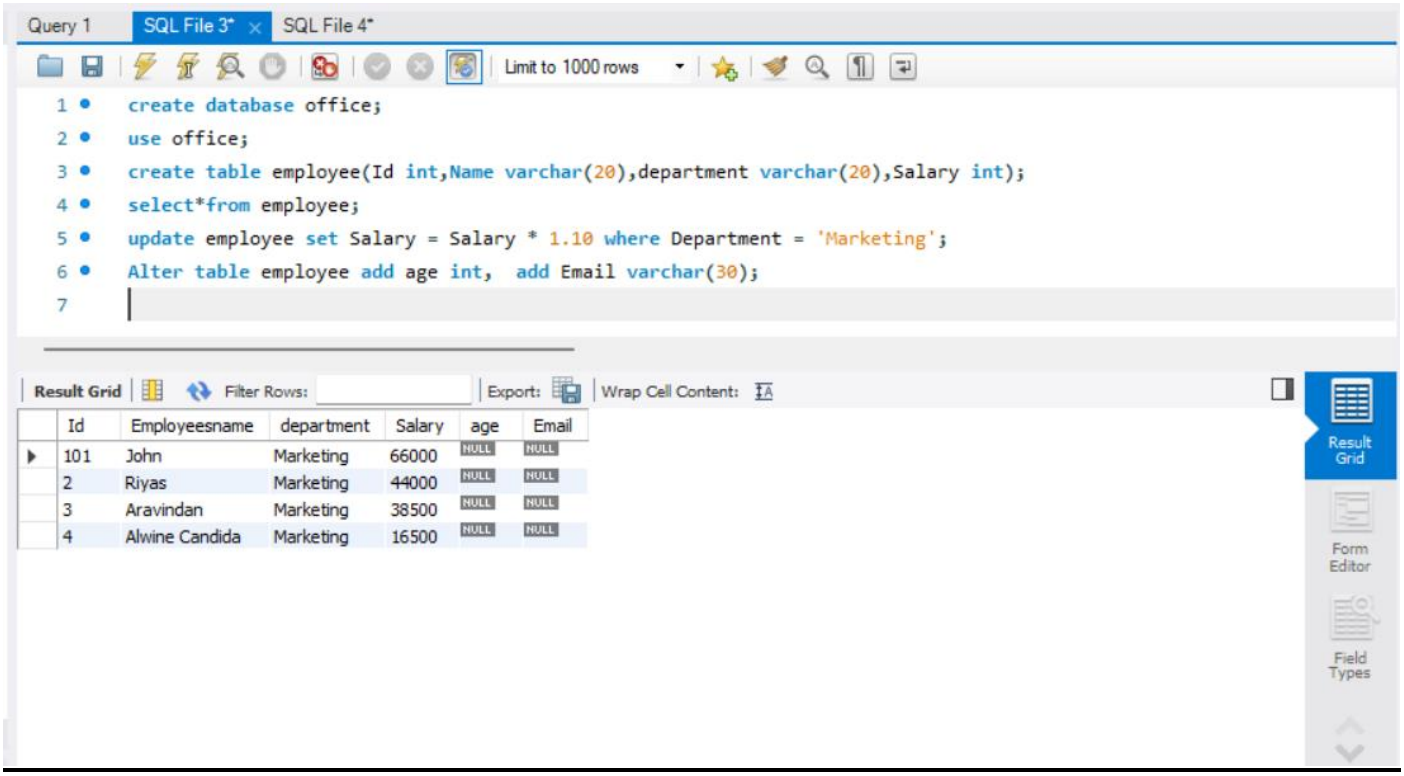
create table employee(Id int,Name varchar(20),department varchar(20),Salary int);

select*from employee;

update employee set Salary = Salary * 1.10 where Department = 'Marketing';

Alter table employee add age int, add Email varchar(30);

QUERY WITH OUTPUT:



8. Write a query to delete a record from the Employees table where ID = 5.

QUERY:

create database office;

use office;

create table employee(Id int,Name varchar(20),department varchar(20),Salary int);

select*from employee;

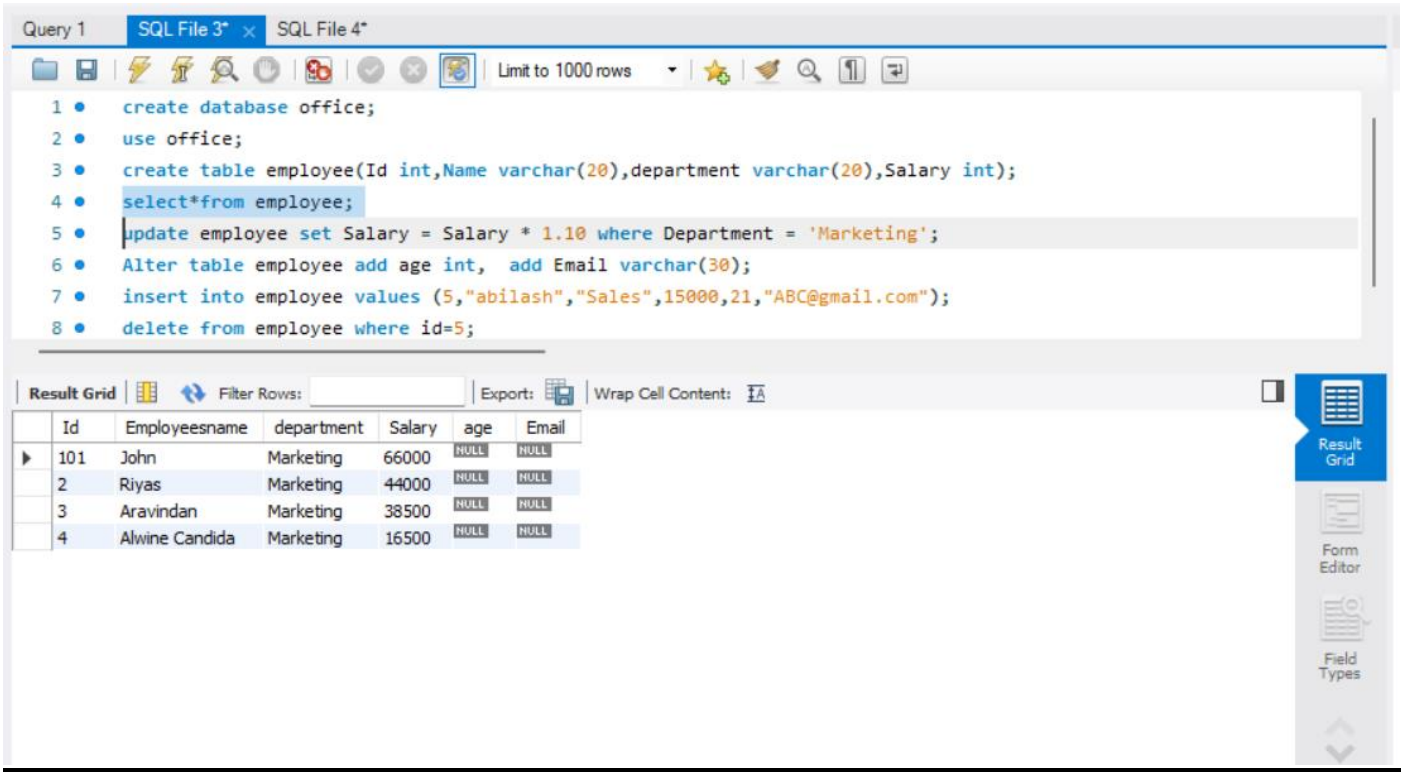
update employee set Salary = Salary * 1.10 where Department = 'Marketing';

Alter table employee add age int, add Email varchar(30);

insert into employee values (5,"abilash","Sales",15000,21,"ABC@gmail.com");

delete from employee where id=5;

QUERY WITH OUTPUT:



9.) Delete all employees whose department is 'HR'.

QUERY:

create database office;

use office;

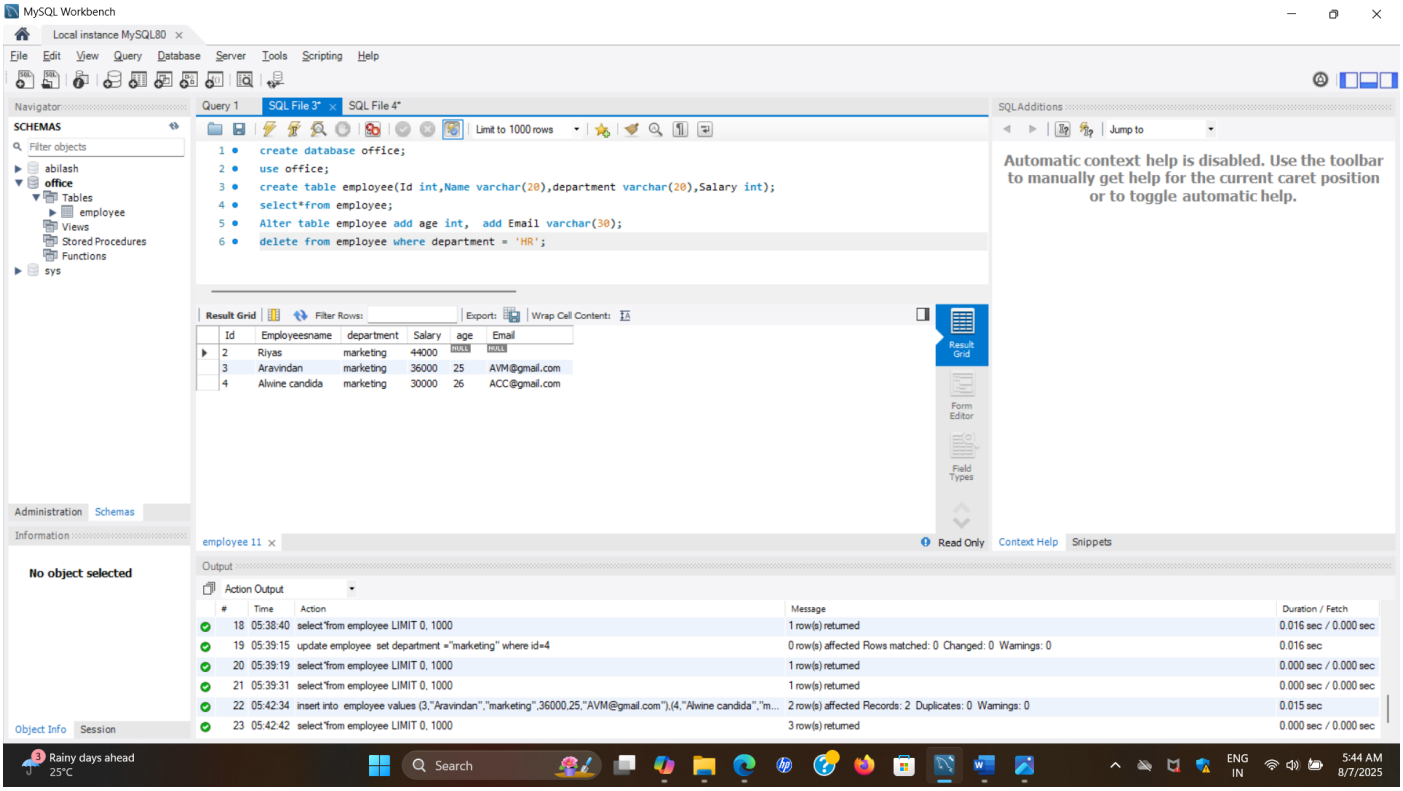
create table employee(Id int,Name varchar(20),department varchar(20),Salary int);

select*from employee;

Alter table employee add age int, add Email varchar(30);

delete from employee where department = 'HR';

QUERY WITH OUTPUT:



10. Delete all records from a table but keep the structure.

QUERY:

create database office;

use office;

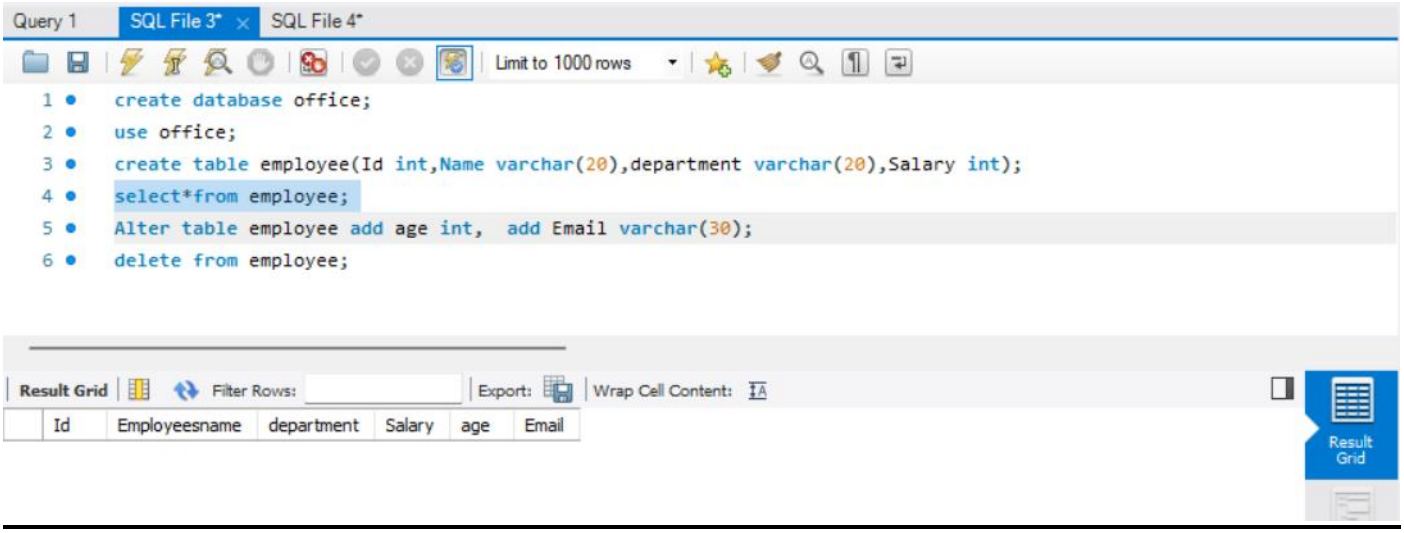
create table employee(Id int,Name varchar(20),department varchar(20),Salary int);

select*from employee;

Alter table employee add age int, add Email varchar(30);

delete from employee;

QUERY WITH OUTPUT:



12. Write a query to create a table called Students with columns: ID, Name, Age, and Email.

QUERY:

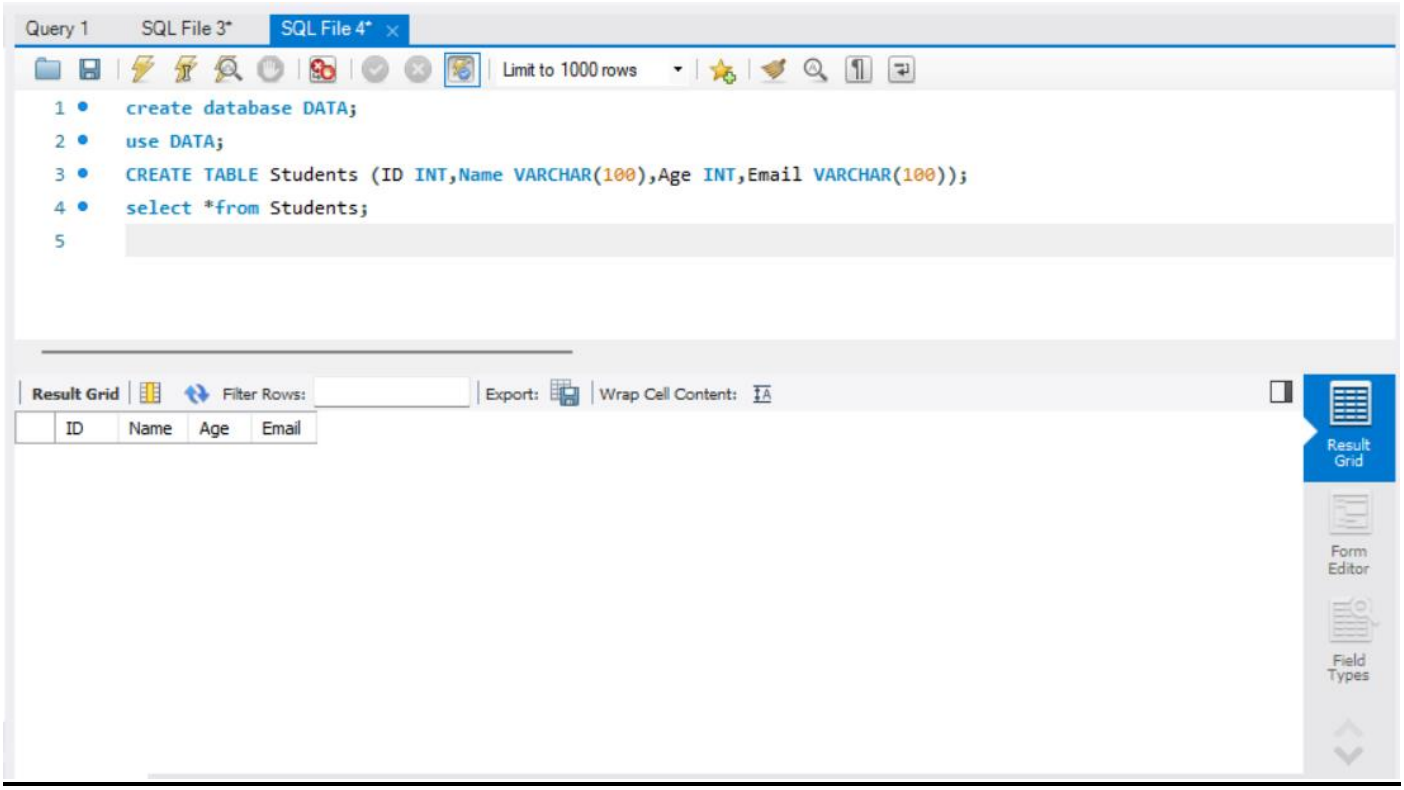
create database DATA;

use DATA;

CREATE TABLE Students (ID INT,Name VARCHAR(100),Age INT,Email VARCHAR(100));

select *from Students;

QUERY WITH OUTPUT:



21. Write a query to add a new column DOB of type DATE to the Employees table.

QUERY:

create database DATA;

use DATA;

CREATE TABLE Students (ID INT,Name VARCHAR(100),Age INT,Email VARCHAR(100));

select *from Students;

alter table Students add DOB int;

QUERY WITH OUTPUT: