Tên: Trần Nguyễn Quốc Cường

Lớp: SE1709

**Bài tập SQL**

1.

**Code:**

CREATE TABLE WORKER (

WORKER\_ID INT NOT NULL PRIMARY KEY,

FIRST\_NAME CHAR(25),

LAST\_NAME CHAR(25),

SALARY INT(15),

JOINING\_DATE DATETIME,

DEPARTMENT CHAR(25)

);

insert into WORKER

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) values

(001, 'Monika', 'Arora', 100000, '2014-02-20 09:00:00', 'HR'),

(002, 'Niharika', 'Verma', 80000, '2014-06-11 09:00:00', 'Admin'),

(003, 'Vishal', 'Singhal', 300000, '2014-02-20 09:00:00', 'HR'),

(004, 'Amitabh', 'Singh', 500000, '2014-02-20 09:00:00', 'Admin'),

(005, 'Vivek', 'Bhati', 500000, '2014-06-11 09:00:00', 'Admin'),

(006, 'Vipul', 'Diwan', 200000, '2014-06-11 09:00:00', 'Account'),

(007, 'Satish', 'Kumar', 75000, '2014-01-20 09:00:00', 'Account'),

(008, 'Geetika', 'Chauhan', 90000, '2014-04-11 09:00:00', 'Admin');

CREATE TABLE TITLE (

WORKER\_REF\_ID INT,

WORKER\_TITLE CHAR(25),

AFFECTED\_FROM DATETIME,

FOREIGN KEY (WORKER\_REF\_ID) REFERENCES Worker(WORKER\_ID)

ON DELETE CASCADE

);

insert into TITLE

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) values

(1, 'Manager', '2016-02-20 00:00:00'),

(2, 'Executive', '2016-06-11 00:00:00'),

(8, 'Executive', '2016-06-11 00:00:00'),

(5, 'Manager', '2016-06-11 00:00:00'),

(4, 'Asst. Manager', '2016-06-11 00:00:00'),

(7, 'Executive', '2016-06-11 00:00:00'),

(6, 'Lead', '2016-06-11 00:00:00'),

(3, 'Lead', '2016-06-11 00:00:00');

CREATE TABLE BONUS (

WORKER\_REF\_ID INT,

BONUS\_DATE DATETIME,

BONUS\_AMOUNT INT(10),

FOREIGN KEY (WORKER\_REF\_ID) REFERENCES Worker(WORKER\_ID)

ON DELETE CASCADE

);

insert into BONUS

(WORKER\_REF\_ID, BONUS\_DATE, BONUS\_AMOUNT) values

(001, '2016-02-20 00:00:00', 5000),

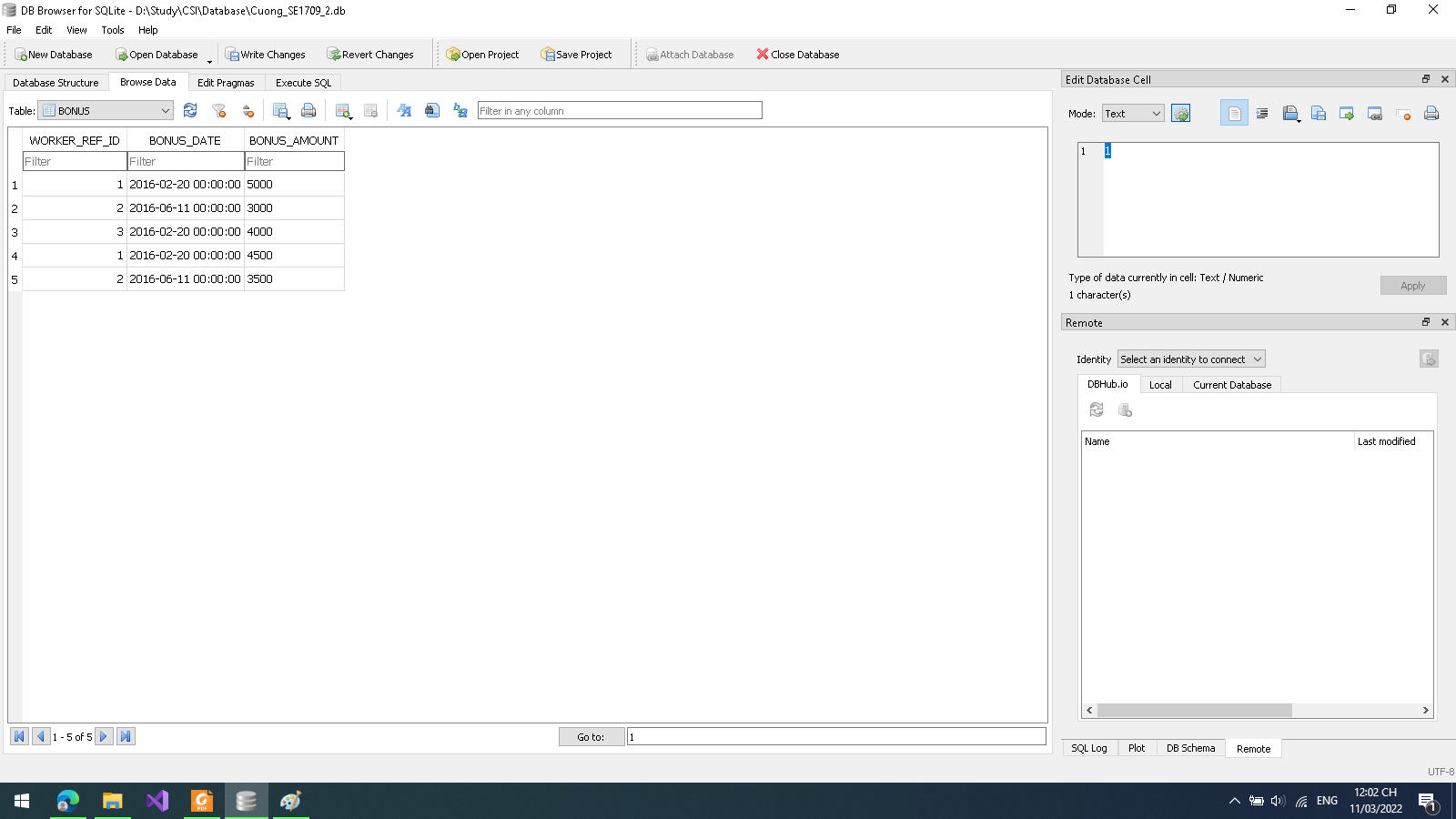
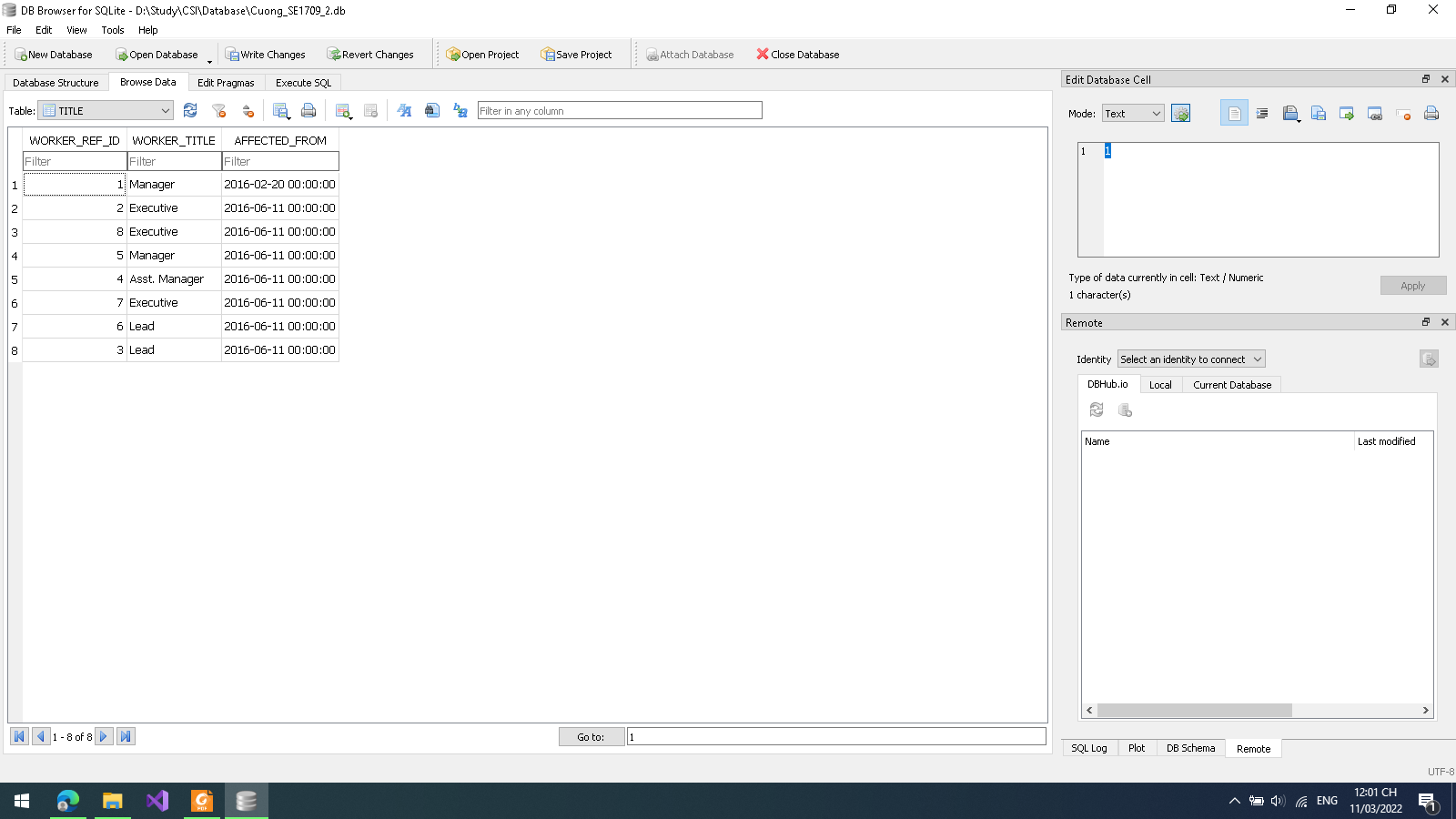
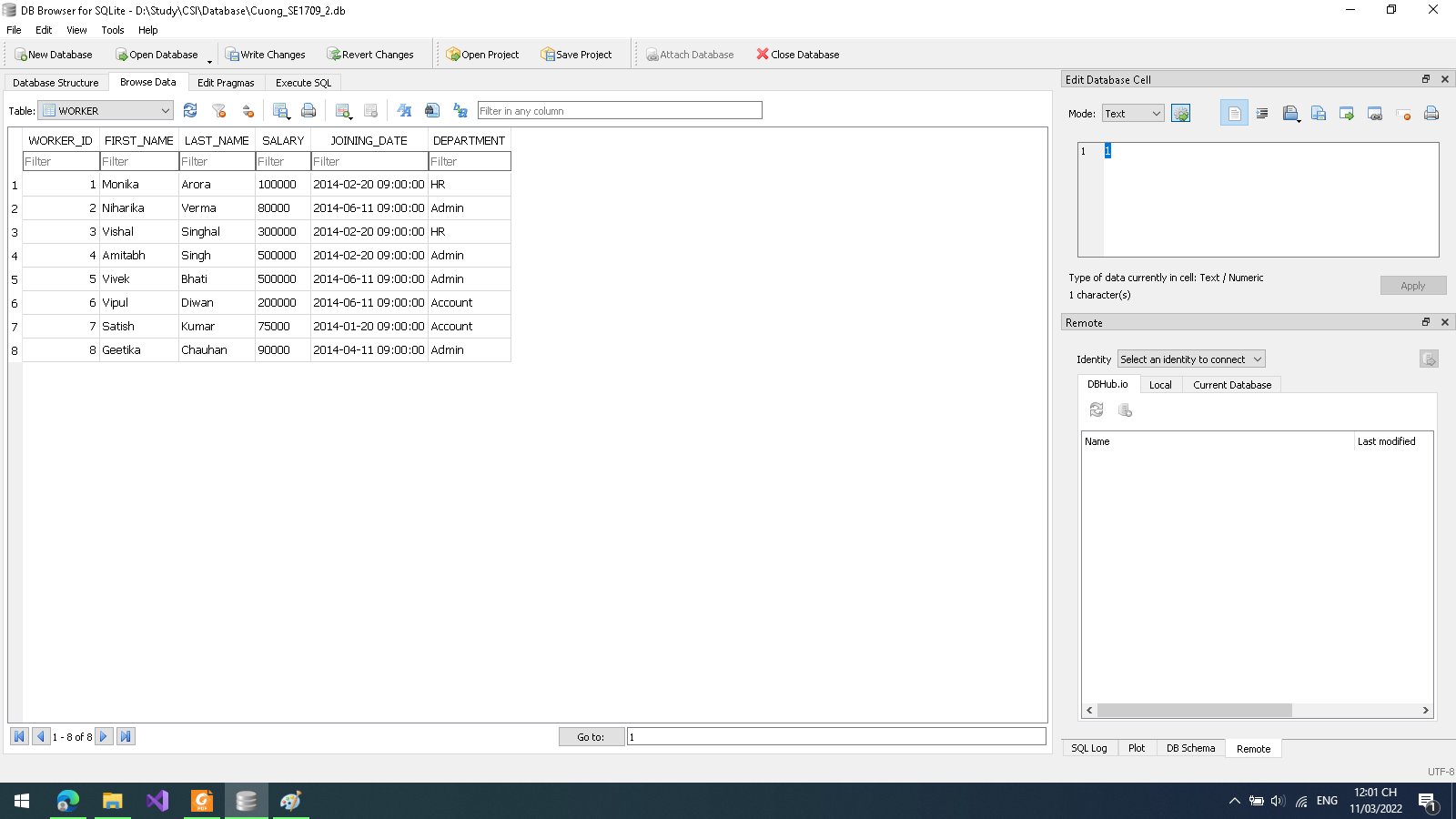
(002, '2016-06-11 00:00:00', 3000),

(003, '2016-02-20 00:00:00', 4000),

(001, '2016-02-20 00:00:00', 4500),

(002, '2016-06-11 00:00:00', 3500);

**Kết quả:**

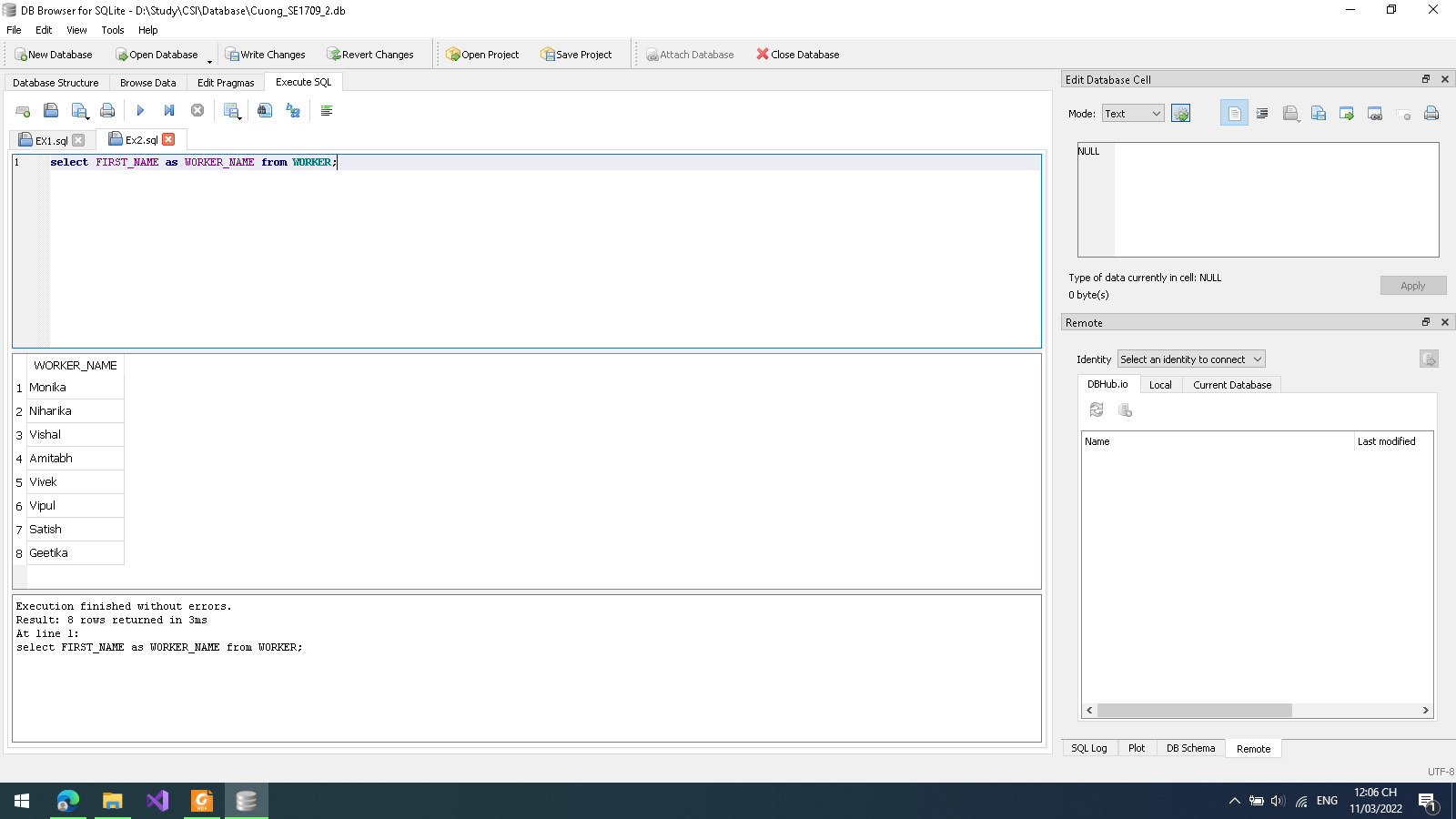


**2.**

**Code:**

select FIRST\_NAME as WORKER\_NAME from WORKER;

**Kết quả:**

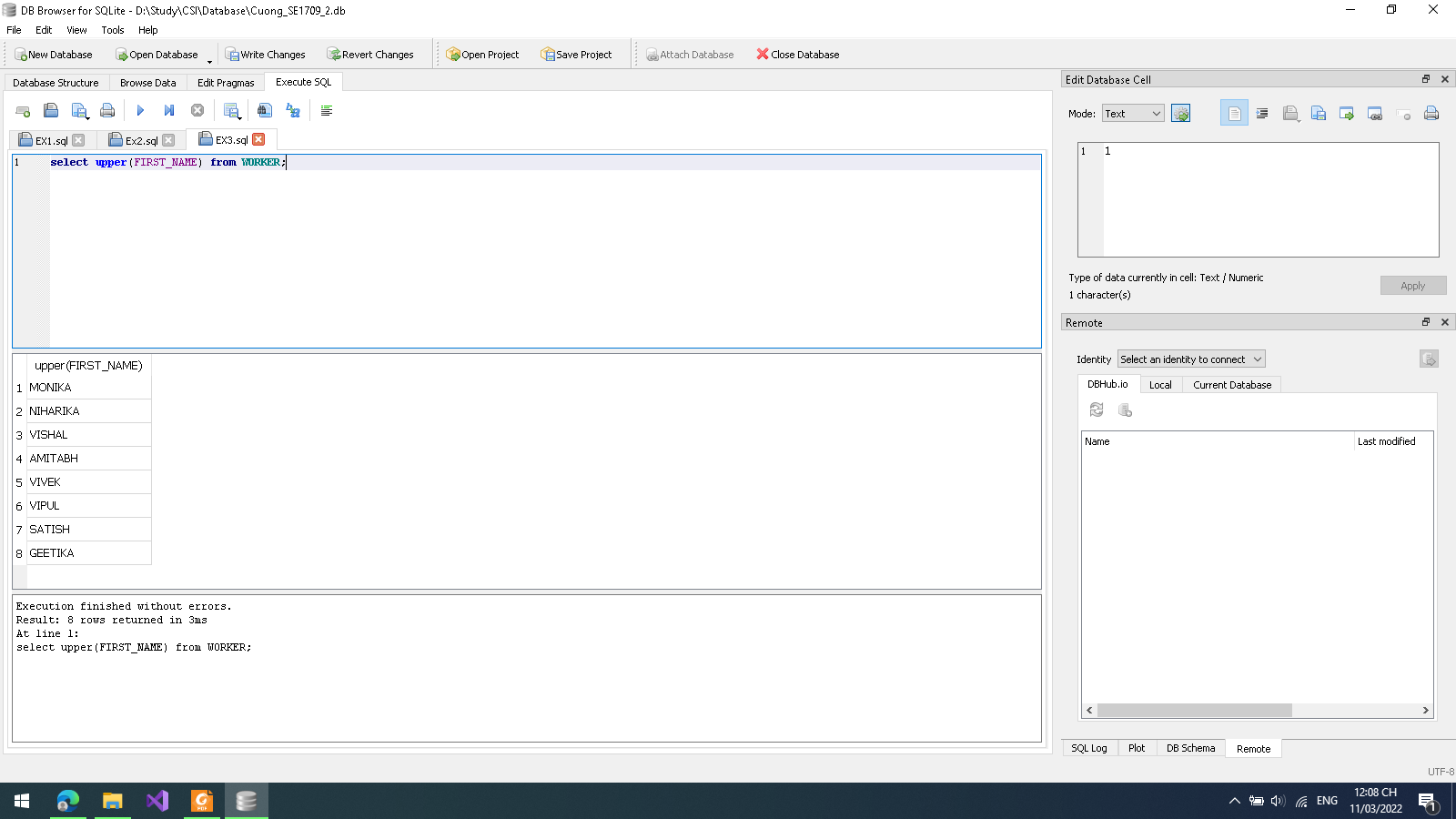
****

**3.**

**Code:**

select upper(FIRST\_NAME) from WORKER;

**Kết quả:**

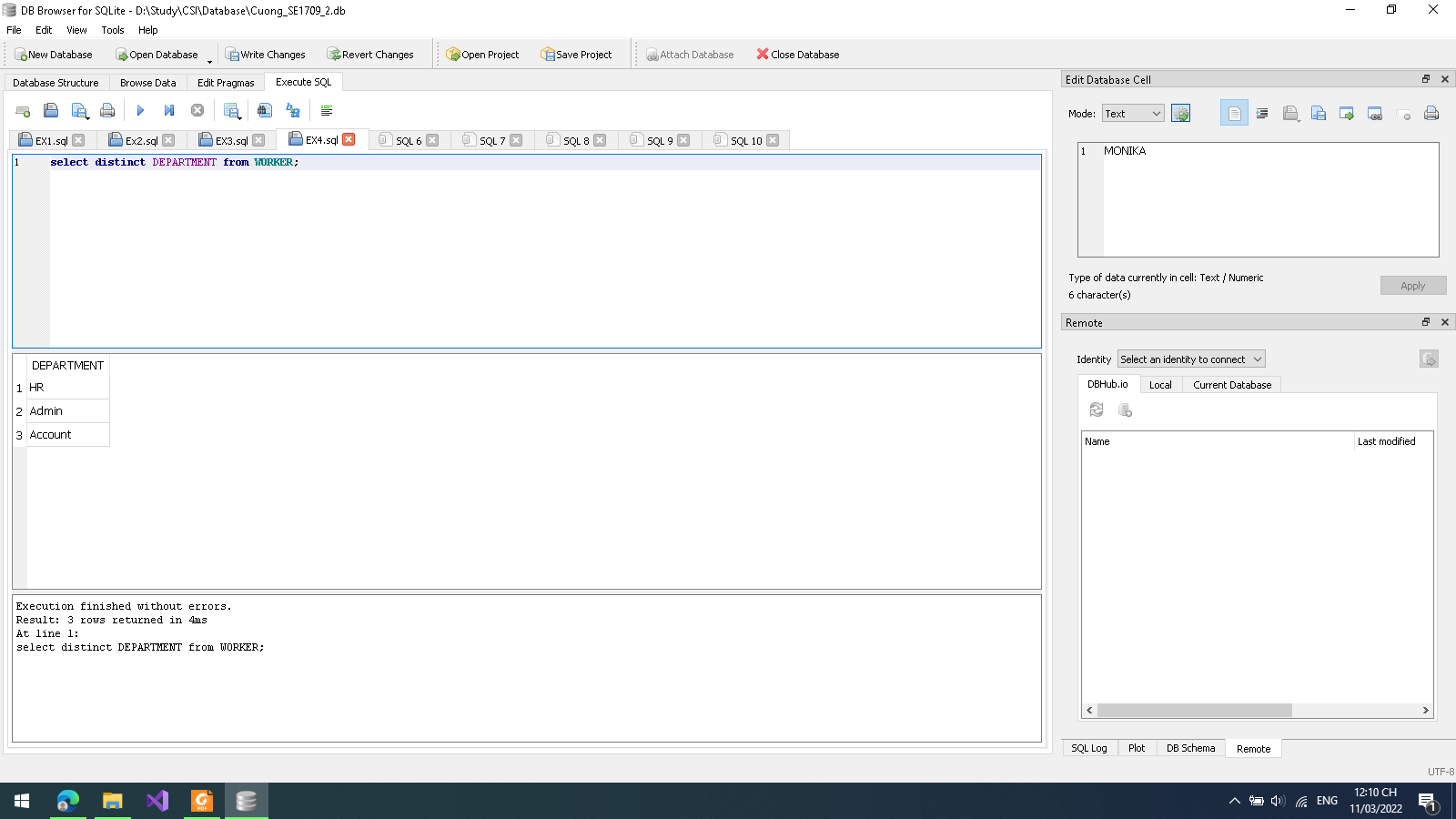
****

**4.**

**Code:**

select distinct DEPARTMENT from WORKER;

**Kết quả:**

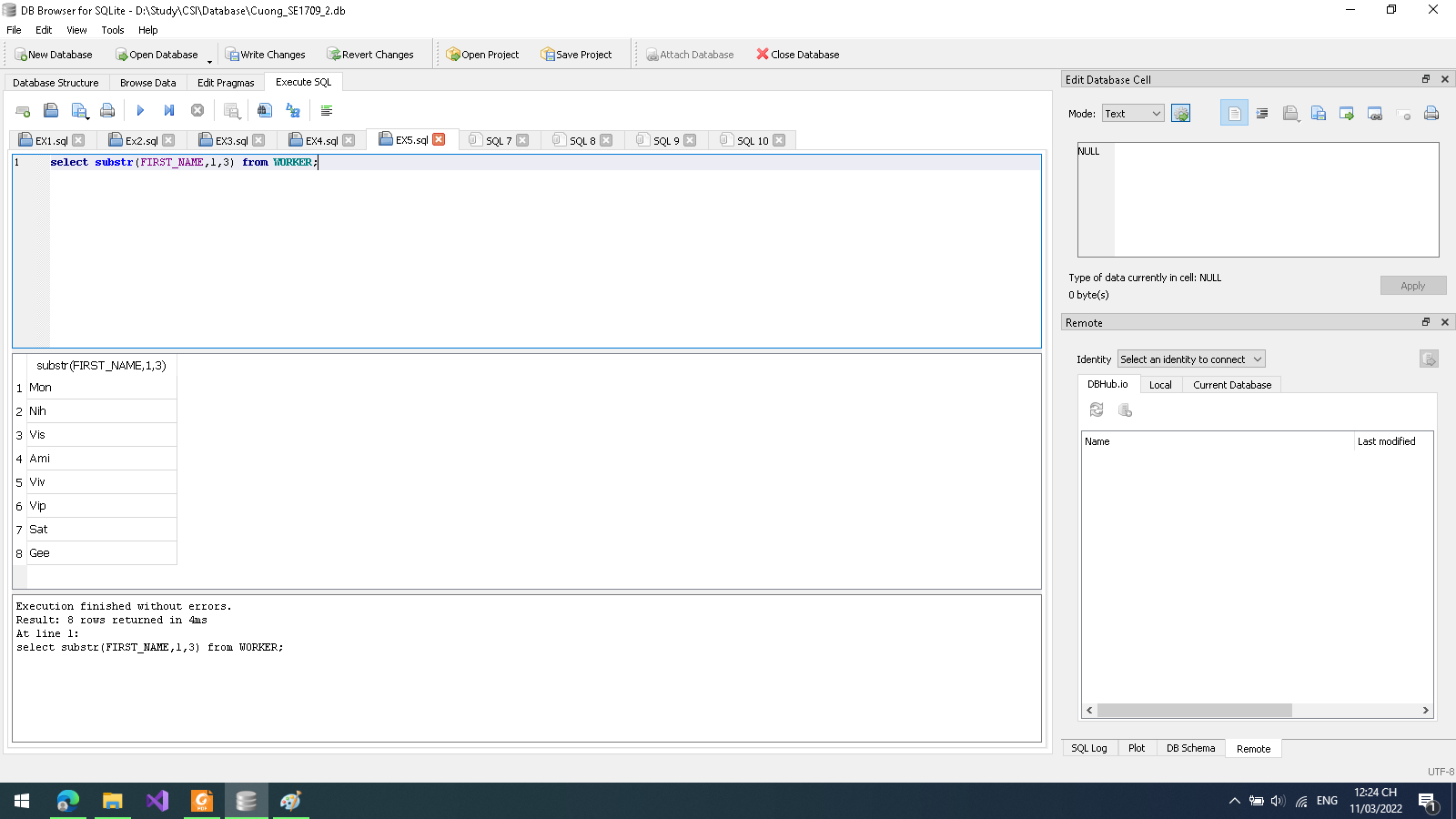


**5.**

**Code:**

select substr(FIRST\_NAME,1,3) from WORKER;

**Kết quả:**

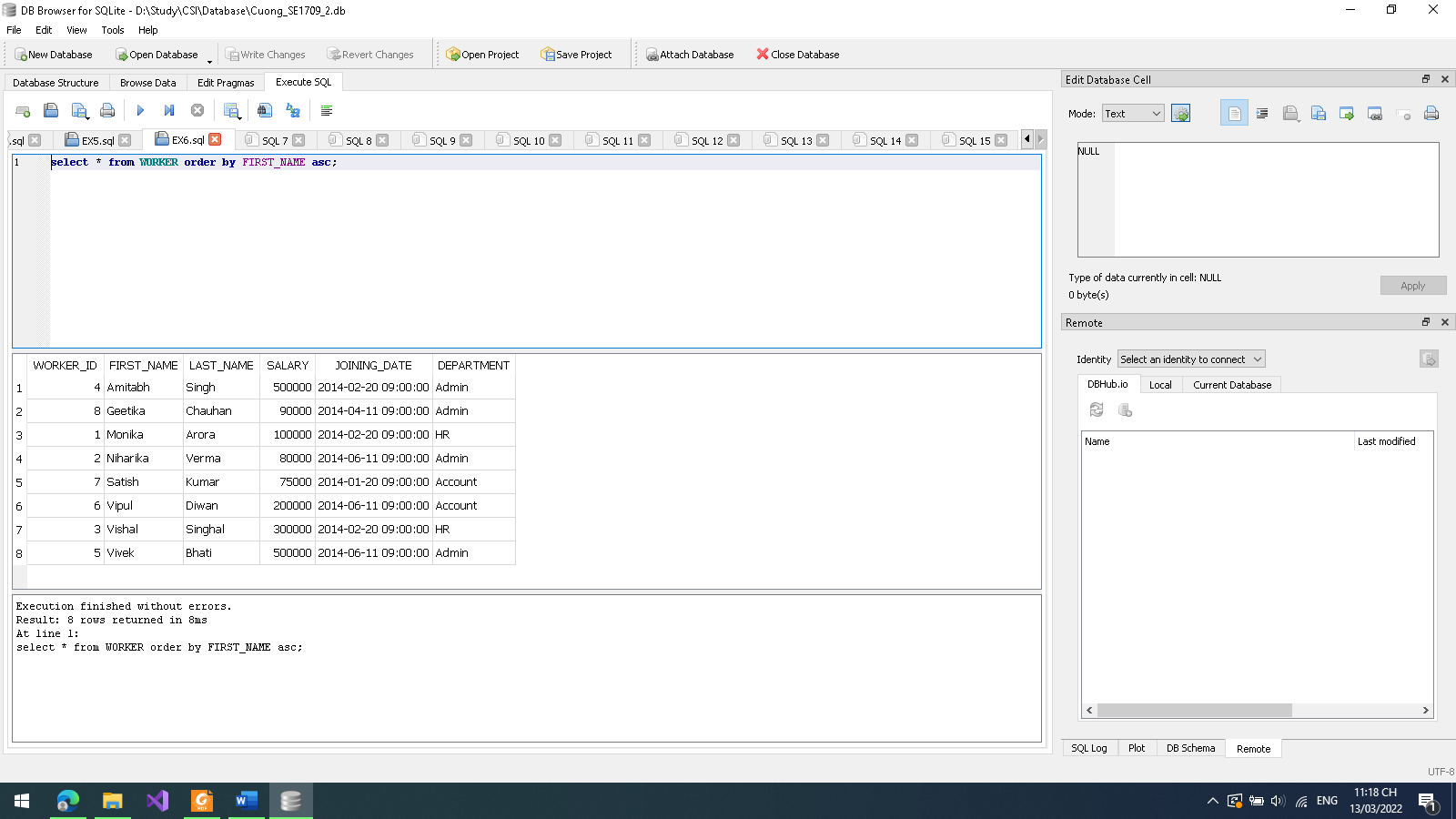
****

**6.**

**Code:**

select \* from WORKER order by FIRST\_NAME asc;

**Kết quả:**

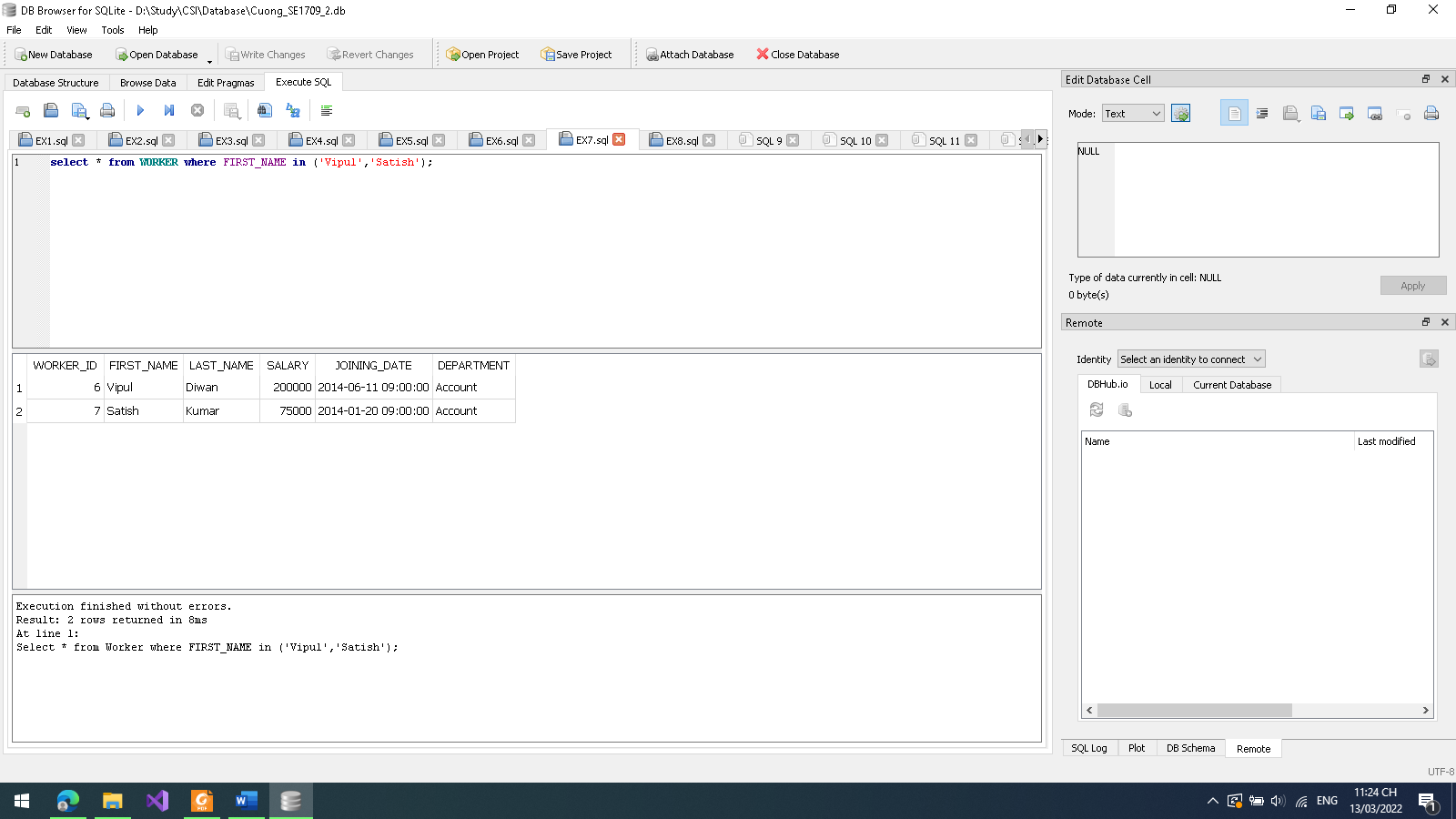


**7.**

**Code:**

select \* from WORKER where FIRST\_NAME in ('Vipul','Satish');

**Kết quả:**

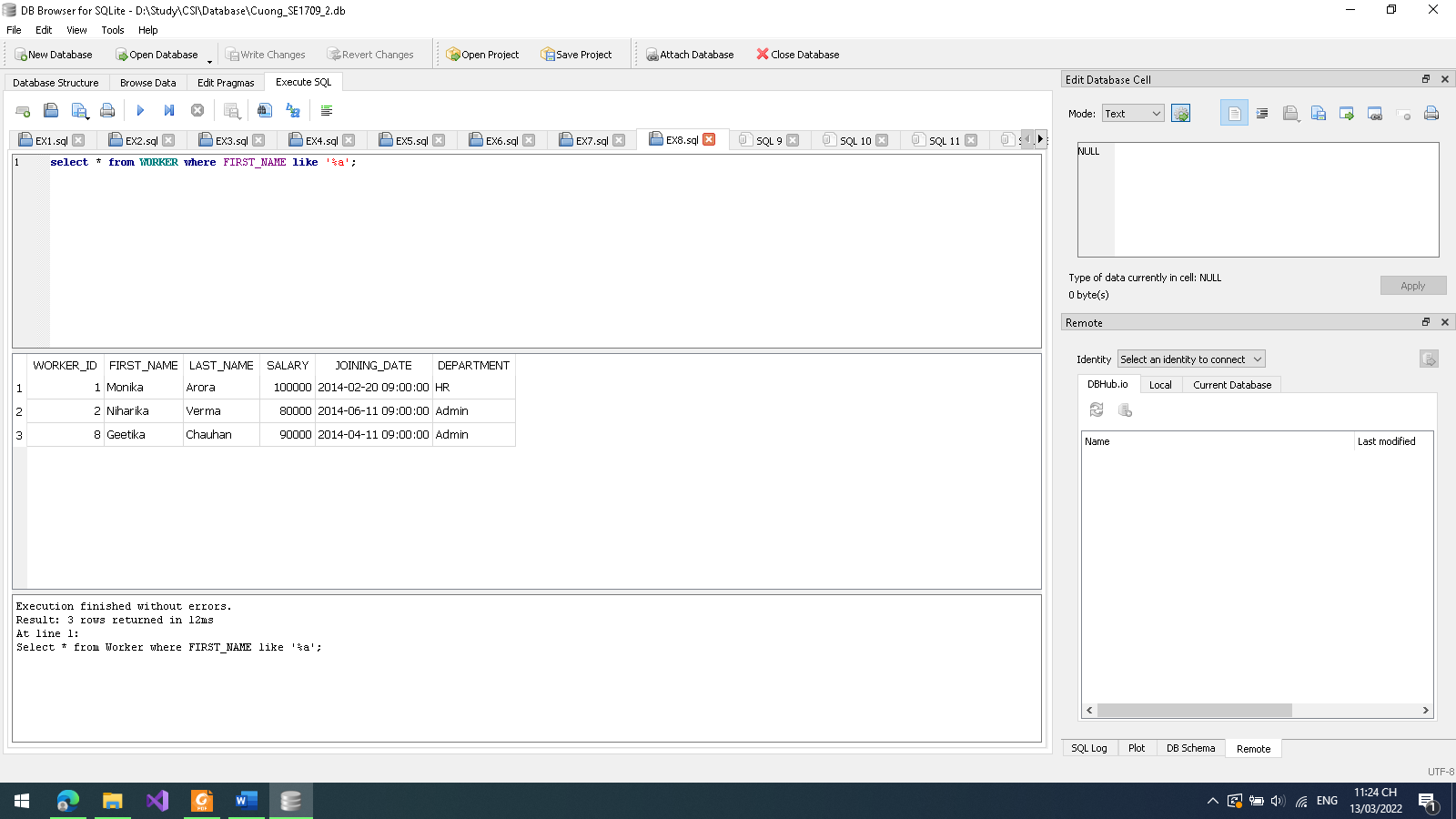


**8.**

**Code:**

select \* from WORKER where FIRST\_NAME like '%a';

**Kết quả:**

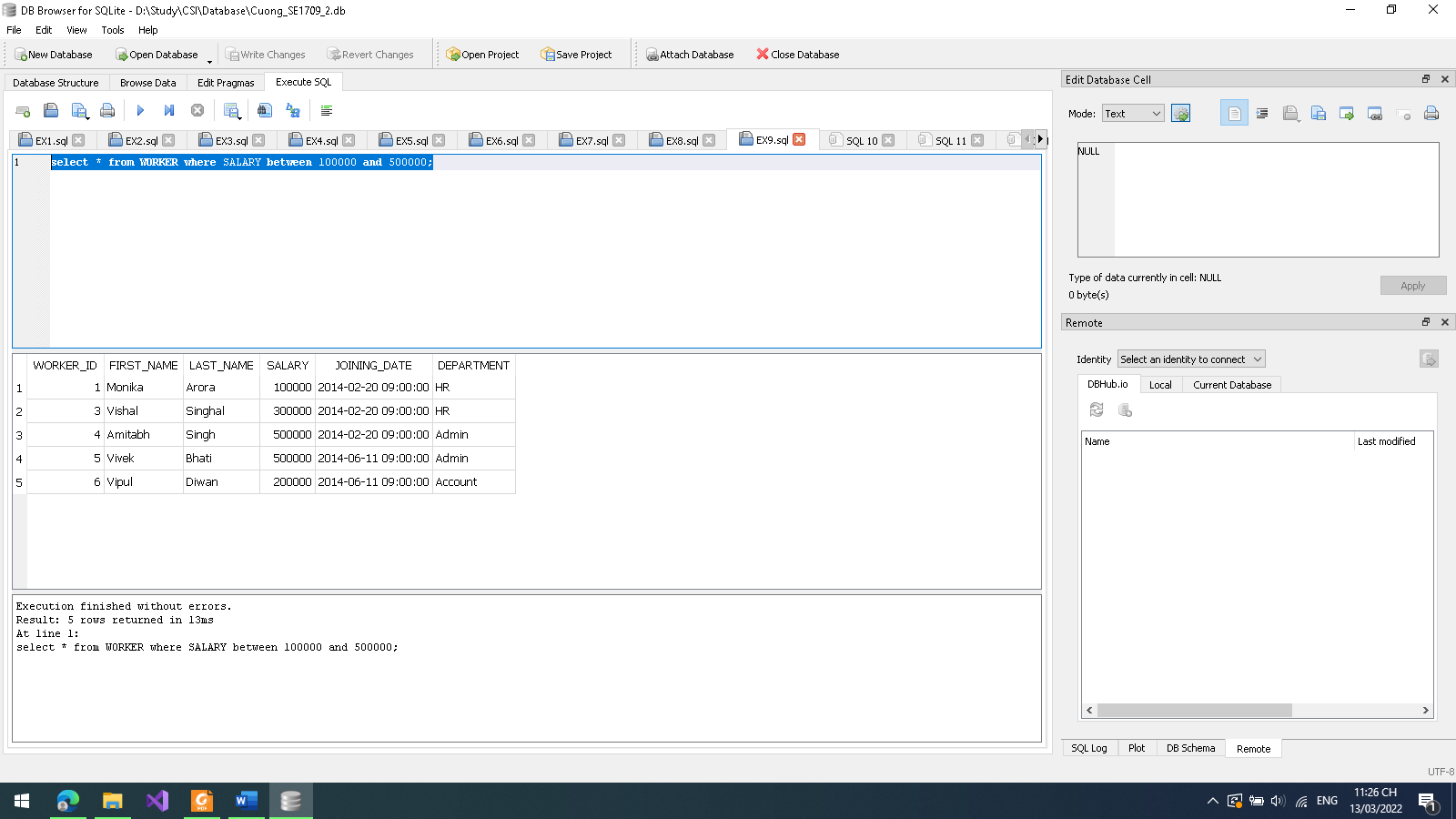


**9.**

**Code:**

select \* from WORKER where SALARY between 100000 and 500000;

**Kết quả:**

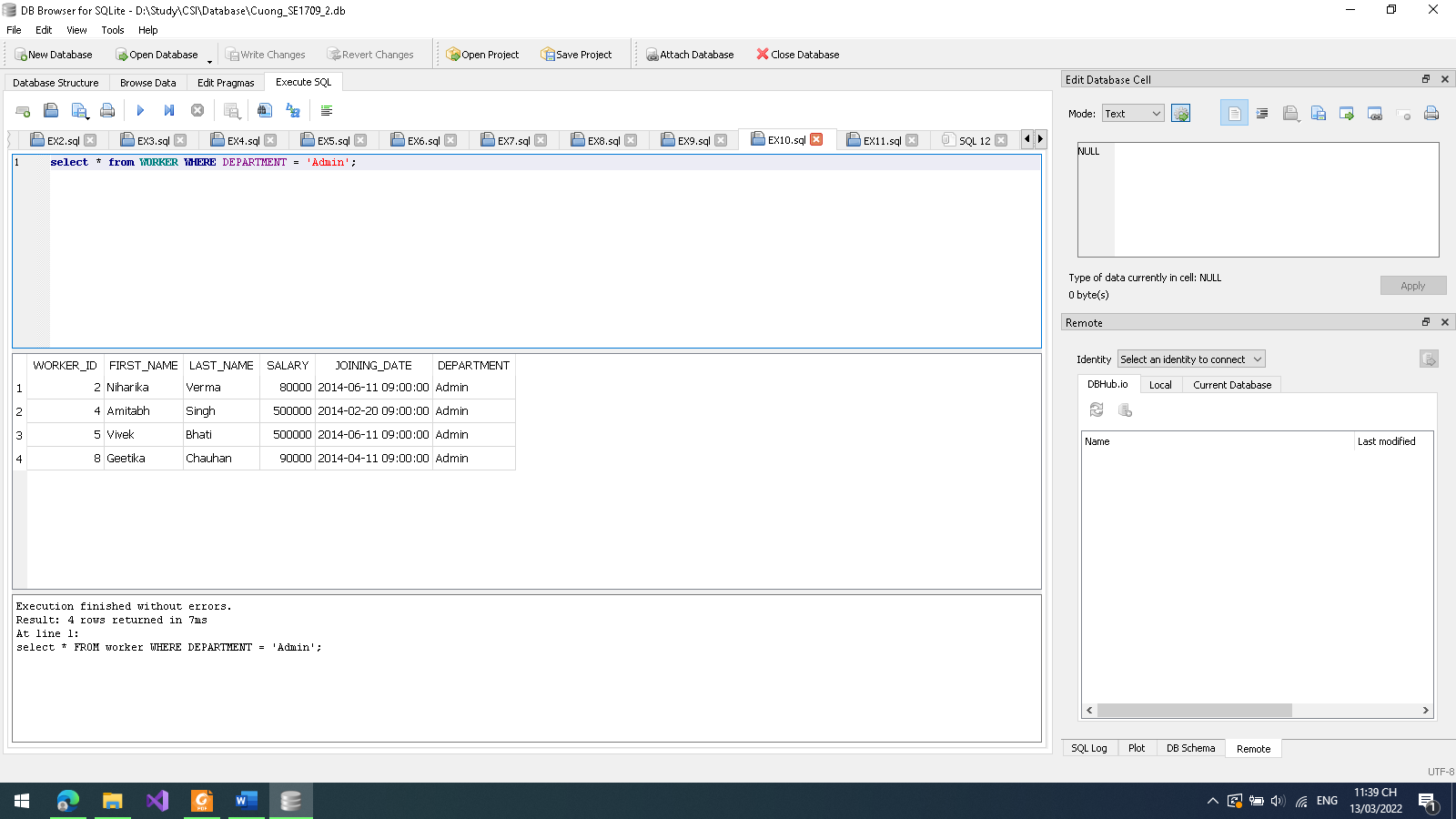


**10.**

**Code:**

select \* from WORKER WHERE DEPARTMENT = 'Admin';

**Kết quả:**



**11.**

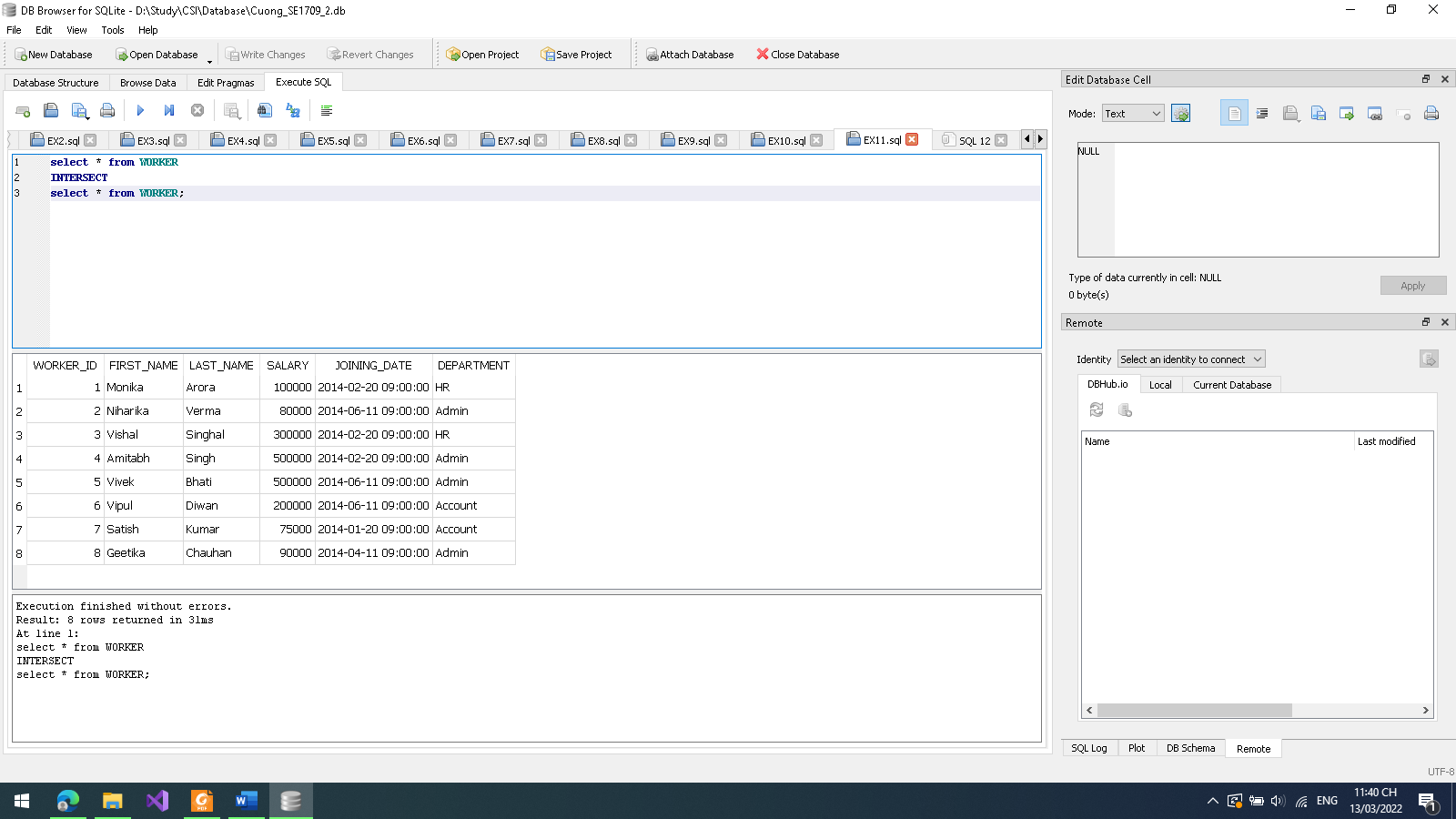
**Code:**

select \* from WORKER

INTERSECT

select \* from WORKER;

**Kết quả:**

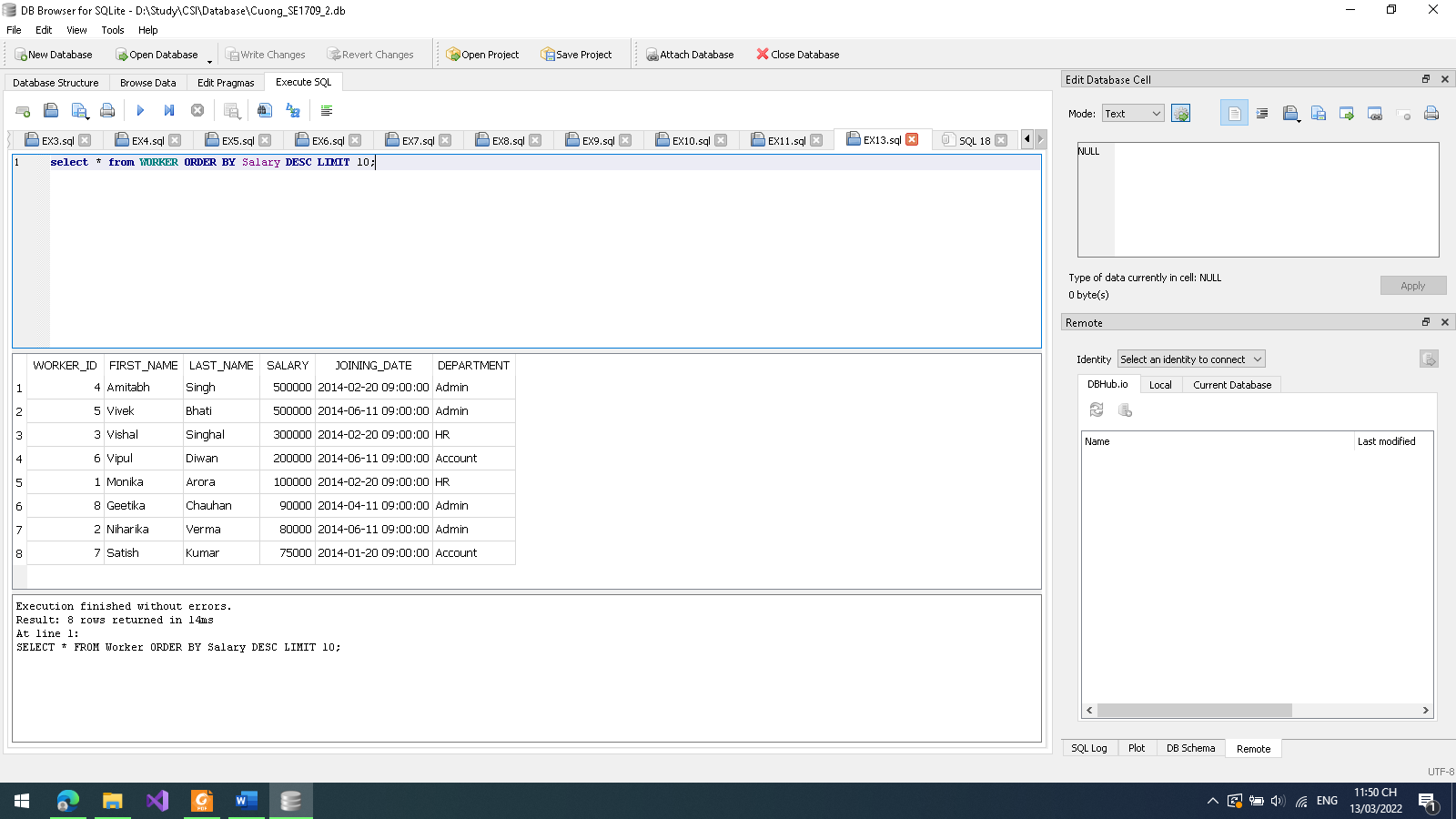


**13.**

**Code:**

**select \* from Worker ORDER BY Salary DESC LIMIT 10;**

**Kết quả:**



**15.**

**Code:**

select WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY from Worker WHERE SALARY=(select max(SALARY) from Worker);

**Kết quả:**

