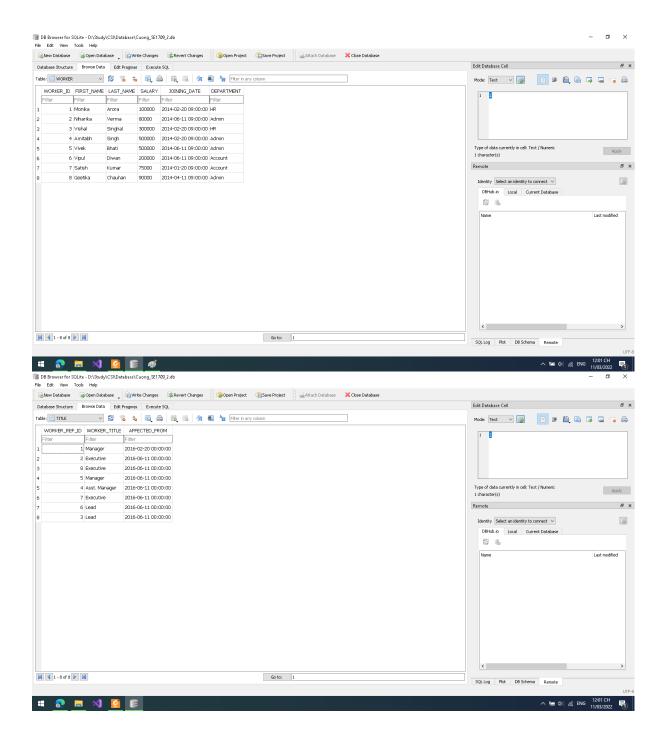
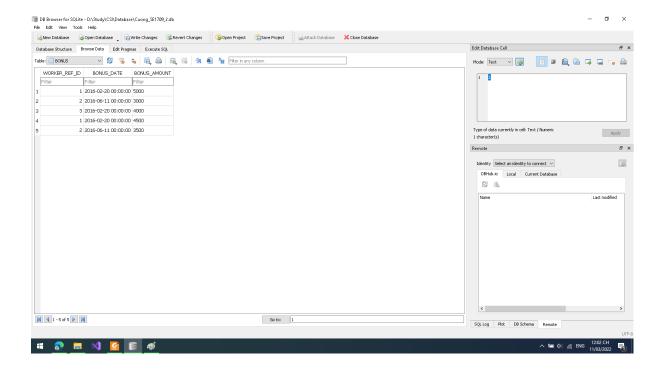
```
Tên: Trần Nguyễn Quốc Cường
Lớp: SE1709
                                    Bài tập SQL
1.
Code:
CREATE TABLE WORKER (
WORKER_ID INT NOT NULL PRIMARY KEY,
FIRST_NAME CHAR(25),
LAST_NAME CHAR(25),
SALARY INT(15),
JOINING_DATE DATETIME,
DEPARTMENT CHAR(25)
);
insert into WORKER
(WORKER_ID, FIRST_NAME, 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
);
```

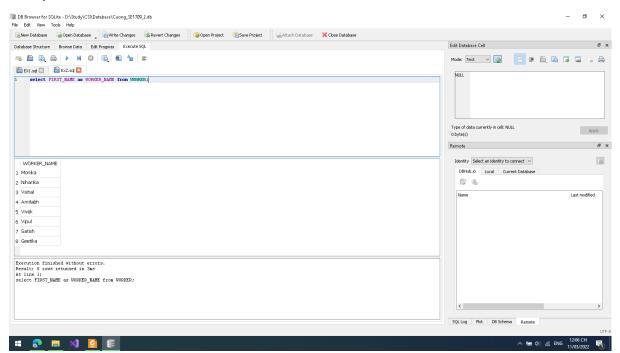
```
insert into TITLE
(WORKER_REF_ID, WORKER_TITLE, AFFECTED_FROM) values
(1, 'Manager', '2016-02-20 00:00:00'),
(2, 'Executive', '2016-06-11 00:00:00'),
(8, 'Executive', '2016-06-11 00:00:00'),
(5, 'Manager', '2016-06-11 00:00:00'),
(4, 'Asst. Manager', '2016-06-11 00:00:00'),
(7, 'Executive', '2016-06-11 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);
```





Code:

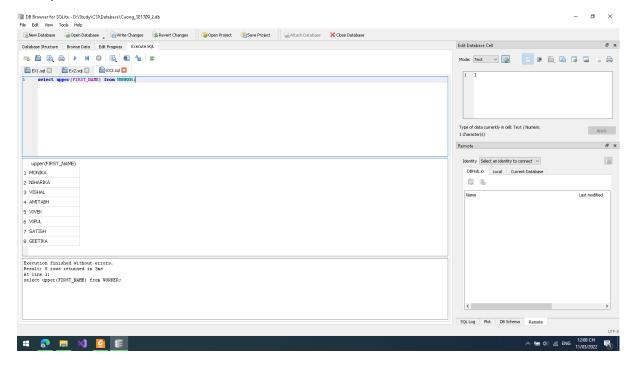
select FIRST_NAME as WORKER_NAME from WORKER;



Code:

select upper(FIRST_NAME) from WORKER;

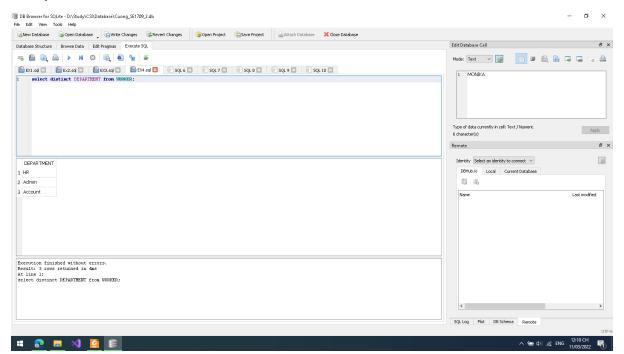
Kết quả:



4.

Code:

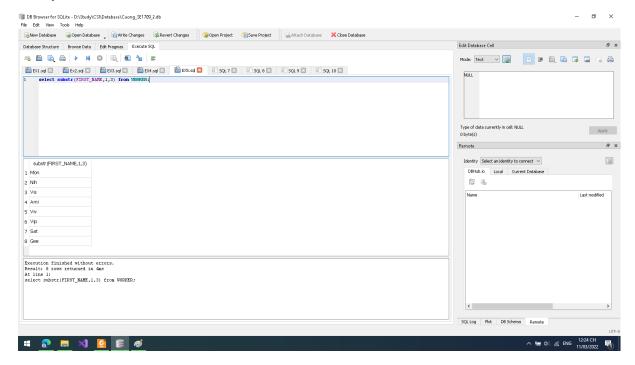
select distinct DEPARTMENT from WORKER;



Code:

select substr(FIRST_NAME,1,3) from WORKER;

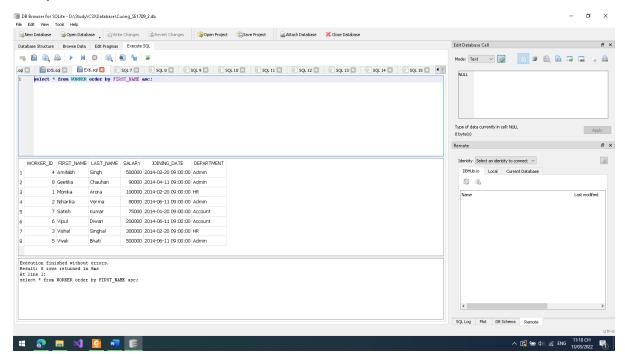
Kết quả:



6.

Code:

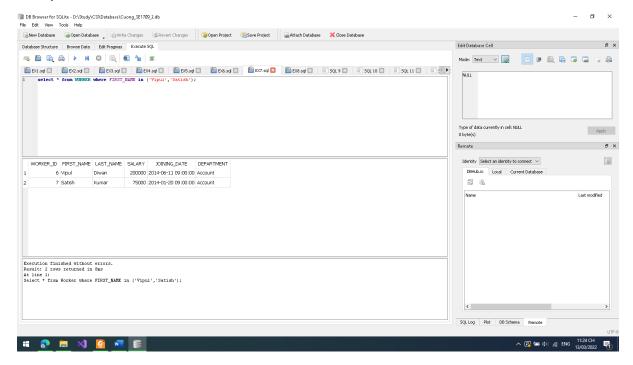
select * from WORKER order by FIRST_NAME asc;



Code:

select * from WORKER where FIRST_NAME in ('Vipul', 'Satish');

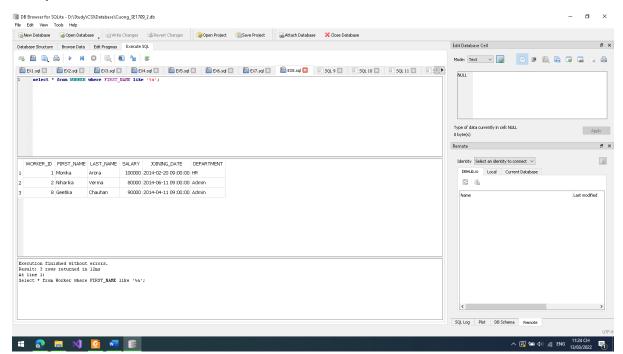
Kết quả:



8.

Code:

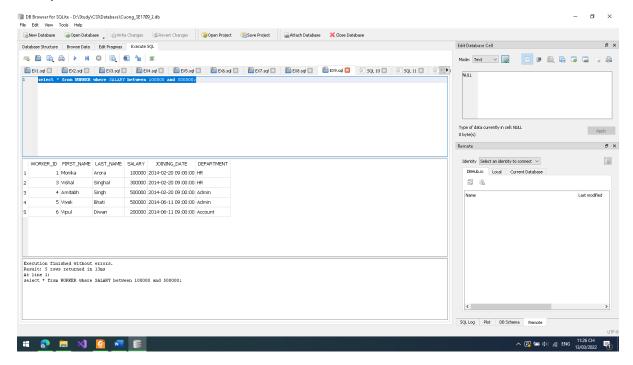
select * from WORKER where FIRST NAME like '%a';



Code:

select * from WORKER where SALARY between 100000 and 500000;

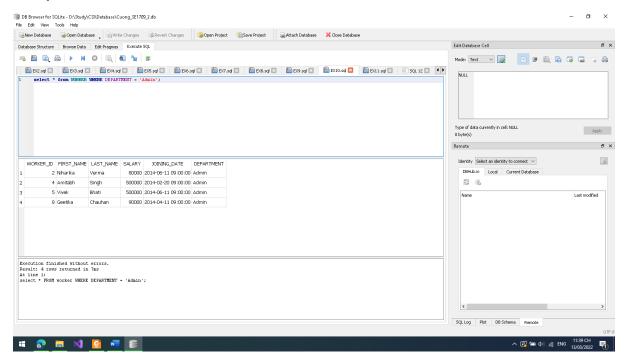
Kết quả:



10.

Code:

select * from WORKER WHERE DEPARTMENT = 'Admin';



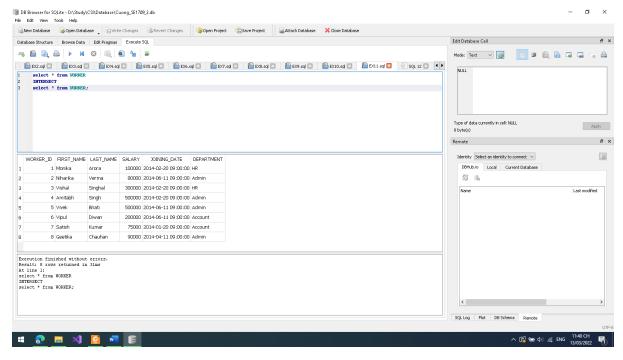
Code:

select * from WORKER

INTERSECT

select * from WORKER;

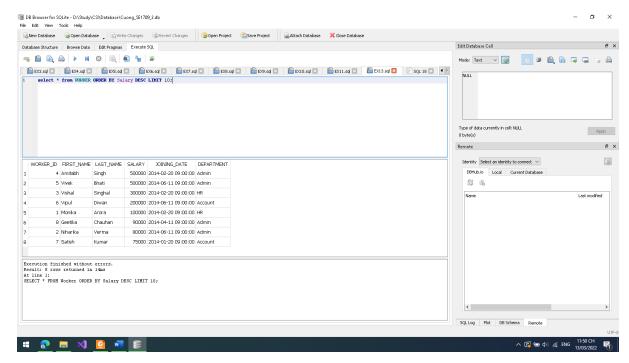
Kết quả:



13.

Code:

select * from Worker ORDER BY Salary DESC LIMIT 10;



Code:

select WORKER_ID, FIRST_NAME, LAST_NAME, SALARY from Worker WHERE SALARY=(select max(SALARY) from Worker);

