**SQL QUERIES**

CREATE SCHEMA `employeedatabase`;

CREATE TABLE `employeedatabase`.`employee` (

`Emp\_ID` INT NOT NULL,

`Emp\_Name` VARCHAR(45) NOT NULL,

`Emp\_Age` INT NOT NULL,

`Emp\_Dep` VARCHAR(45) NOT NULL,

`Dep\_ID` INT NOT NULL,

`Emp\_Location` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Emp\_ID`));

CREATE TABLE `employeedatabase`.`department` (

`Dep\_No` INT NOT NULL,

`Dep\_Name` VARCHAR(45) NOT NULL,

`Dep\_Location` VARCHAR(45) NOT NULL,

`Project\_ID` INT NOT NULL,

PRIMARY KEY (`Dep\_No`));

CREATE TABLE `employeedatabase`.`project` (

`ID\_Project` INT NOT NULL,

`Project\_Name` VARCHAR(45) NOT NULL,

`Project\_Location` VARCHAR(45) NOT NULL,

`Project\_Strength` INT NOT NULL,

PRIMARY KEY (`ID\_Project`));

CREATE TABLE `employeedatabase`.`dependent` (

`E\_ID` INT NOT NULL,

`Dependent\_Name` VARCHAR(45) NOT NULL,

`Dependent\_Relation` VARCHAR(45) NOT NULL,

PRIMARY KEY (`E\_ID`));

**EMPLOYEE TABLE**

ALTER TABLE `employeedatabase`.`employee`

ADD COLUMN `Emp\_Salary` INT NOT NULL AFTER `Emp\_Location`;

INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('101', 'Ravi', '32', 'HR', '111', 'Banglore', '20000');

INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('102', 'Ishitha', '25', 'Sales', '113', 'Chennai', '15000');

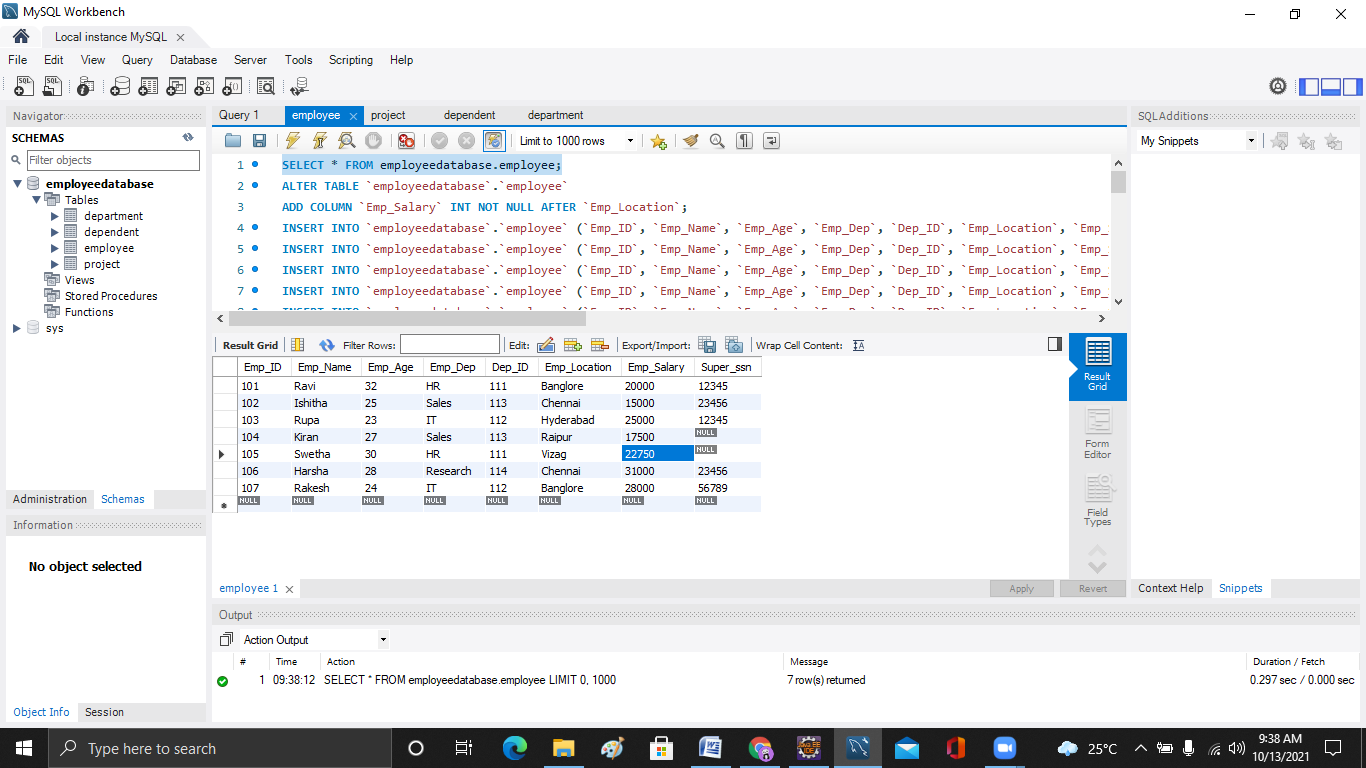
INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('103', 'Rupa', '23', 'IT', '112', 'Hyderabad', '25000');

INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('104', 'Kiran', '27', 'Sales', '113', 'Raipur', '17500');

INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('105', 'Swetha', '30', 'HR', '111', 'Vizag', '22750');

INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('106', 'Harsha', '28', 'Research', '114', 'Chennai', '31000');

INSERT INTO `employeedatabase`.`employee` (`Emp\_ID`, `Emp\_Name`, `Emp\_Age`, `Emp\_Dep`, `Dep\_ID`, `Emp\_Location`, `Emp\_Salary`) VALUES ('107', 'Rakesh', '24', 'IT', '112', 'Banglore', '28000');



**PROJECT TABLE**

INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('11', 'Health\_Care', 'Banglore', '5');

INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('12', 'EPay', 'Hyderabad', '6');

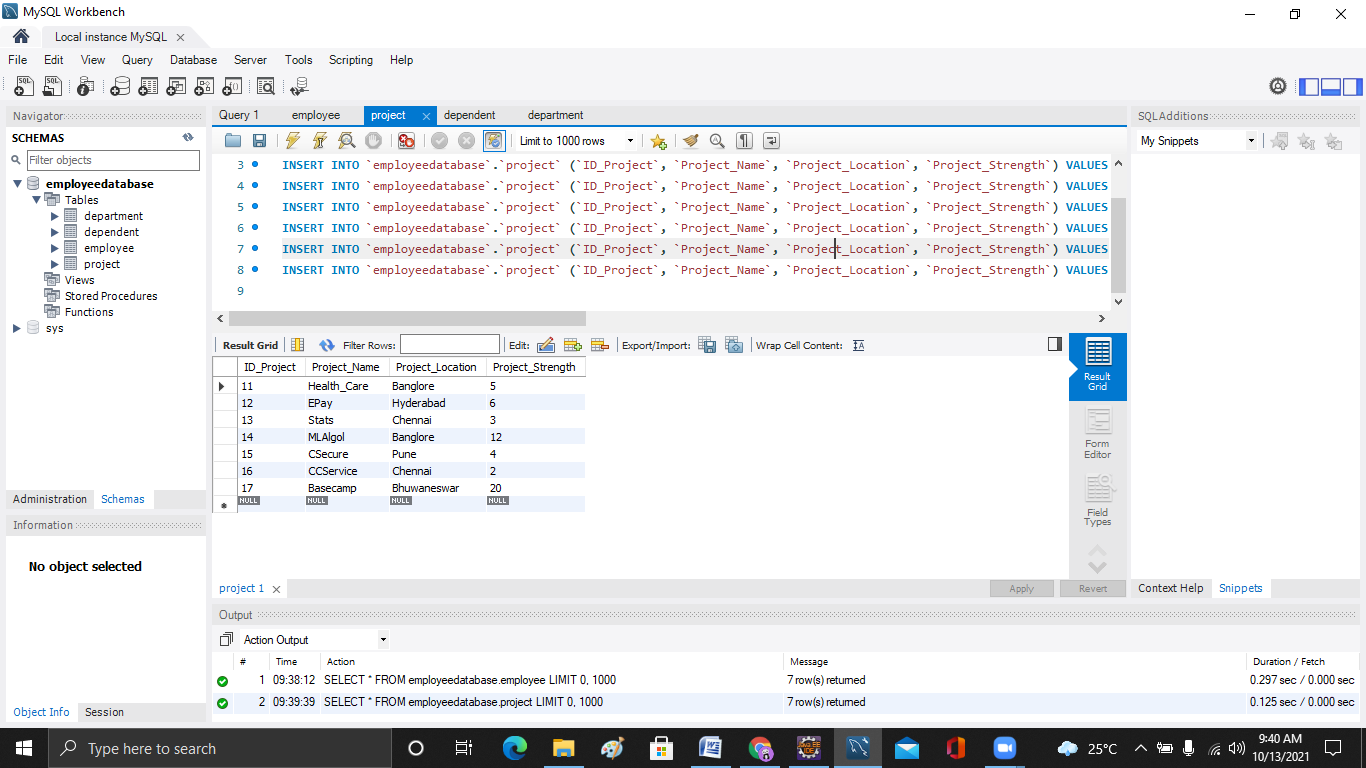
INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('13', 'Stats', 'Chennai', '3');

INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('14', 'MLAlgol', 'Banglore', '12');

INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('15', 'CSecure', 'Pune', '4');

INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('16', 'CCService', 'Chennai', '2');

INSERT INTO `employeedatabase`.`project` (`ID\_Project`, `Project\_Name`, `Project\_Location`, `Project\_Strength`) VALUES ('17', 'Basecamp', 'Bhuwaneswar', '20');



**DEPARTMENT TABLE**

INSERT INTO `employeedatabase`.`department` (`Dep\_No`, `Dep\_Name`, `Dep\_Location`, `Project\_ID`) VALUES ('111', 'HR', 'Banglore', '11');

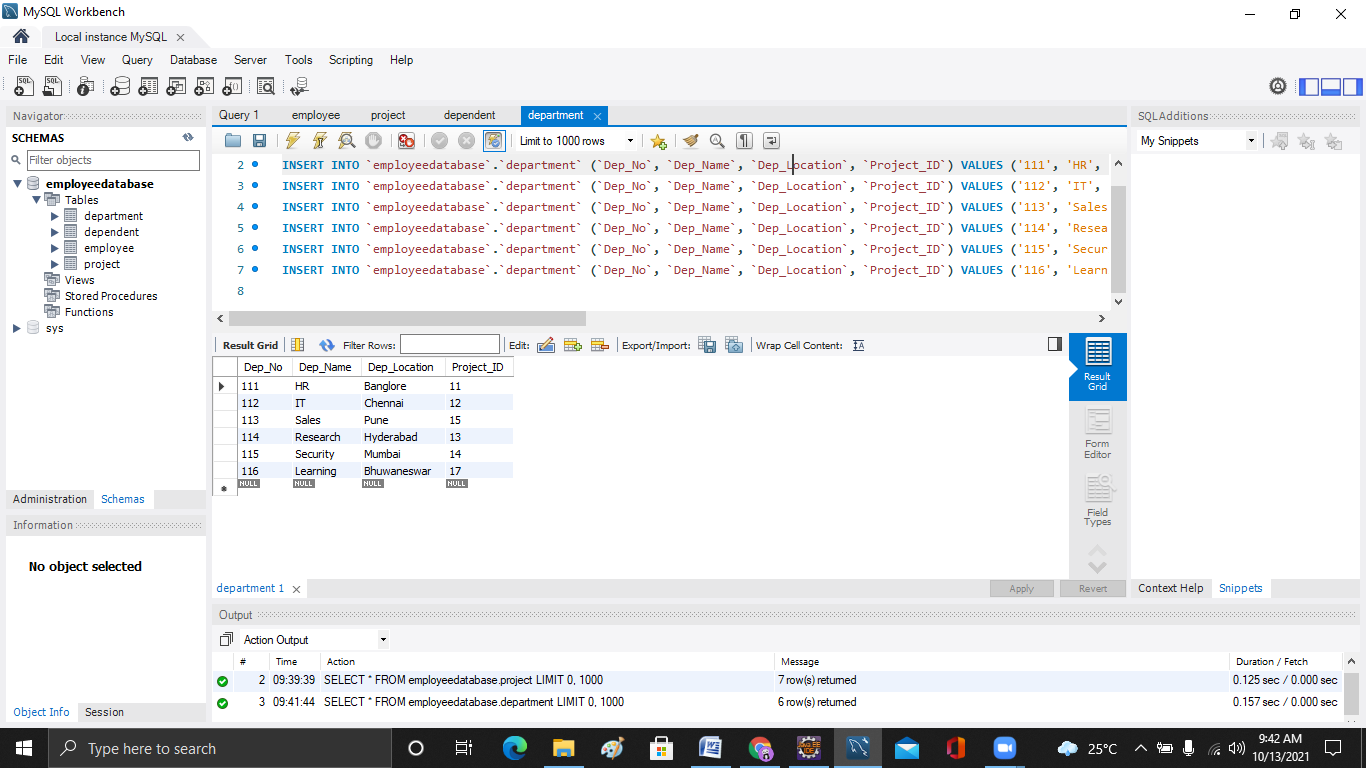
INSERT INTO `employeedatabase`.`department` (`Dep\_No`, `Dep\_Name`, `Dep\_Location`, `Project\_ID`) VALUES ('112', 'IT', 'Chennai', '12');

INSERT INTO `employeedatabase`.`department` (`Dep\_No`, `Dep\_Name`, `Dep\_Location`, `Project\_ID`) VALUES ('113', 'Sales', 'Pune', '15');

INSERT INTO `employeedatabase`.`department` (`Dep\_No`, `Dep\_Name`, `Dep\_Location`, `Project\_ID`) VALUES ('114', 'Research', 'Hyderabad', '13');

INSERT INTO `employeedatabase`.`department` (`Dep\_No`, `Dep\_Name`, `Dep\_Location`, `Project\_ID`) VALUES ('115', 'Security', 'Mumbai', '14');

INSERT INTO `employeedatabase`.`department` (`Dep\_No`, `Dep\_Name`, `Dep\_Location`, `Project\_ID`) VALUES ('116', 'Learning', 'Bhuwaneswar', '17');



**DEPENDENT TABLE**

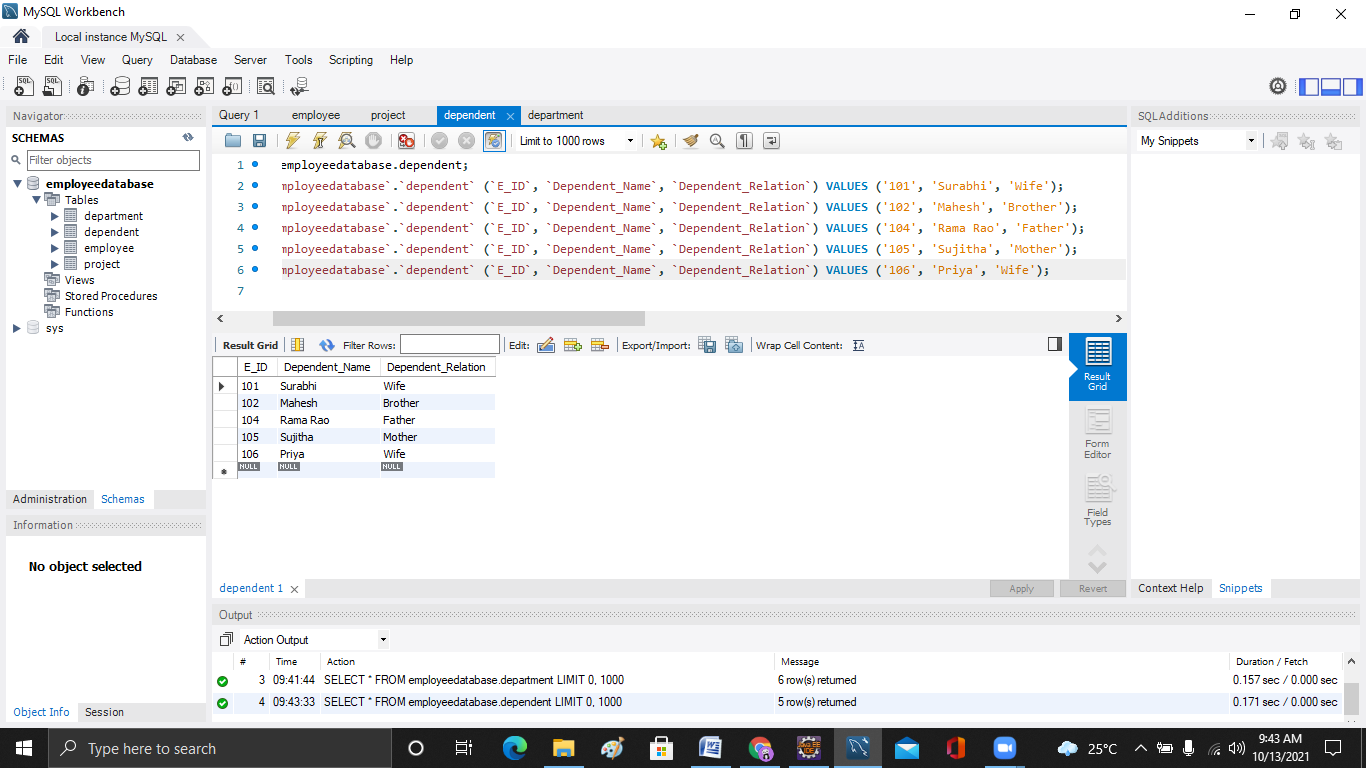
INSERT INTO `employeedatabase`.`dependent` (`E\_ID`, `Dependent\_Name`, `Dependent\_Relation`) VALUES ('101', 'Surabhi', 'Wife');

INSERT INTO `employeedatabase`.`dependent` (`E\_ID`, `Dependent\_Name`, `Dependent\_Relation`) VALUES ('102', 'Mahesh', 'Brother');

INSERT INTO `employeedatabase`.`dependent` (`E\_ID`, `Dependent\_Name`, `Dependent\_Relation`) VALUES ('104', 'Rama Rao', 'Father');

INSERT INTO `employeedatabase`.`dependent` (`E\_ID`, `Dependent\_Name`, `Dependent\_Relation`) VALUES ('105', 'Sujitha', 'Mother');

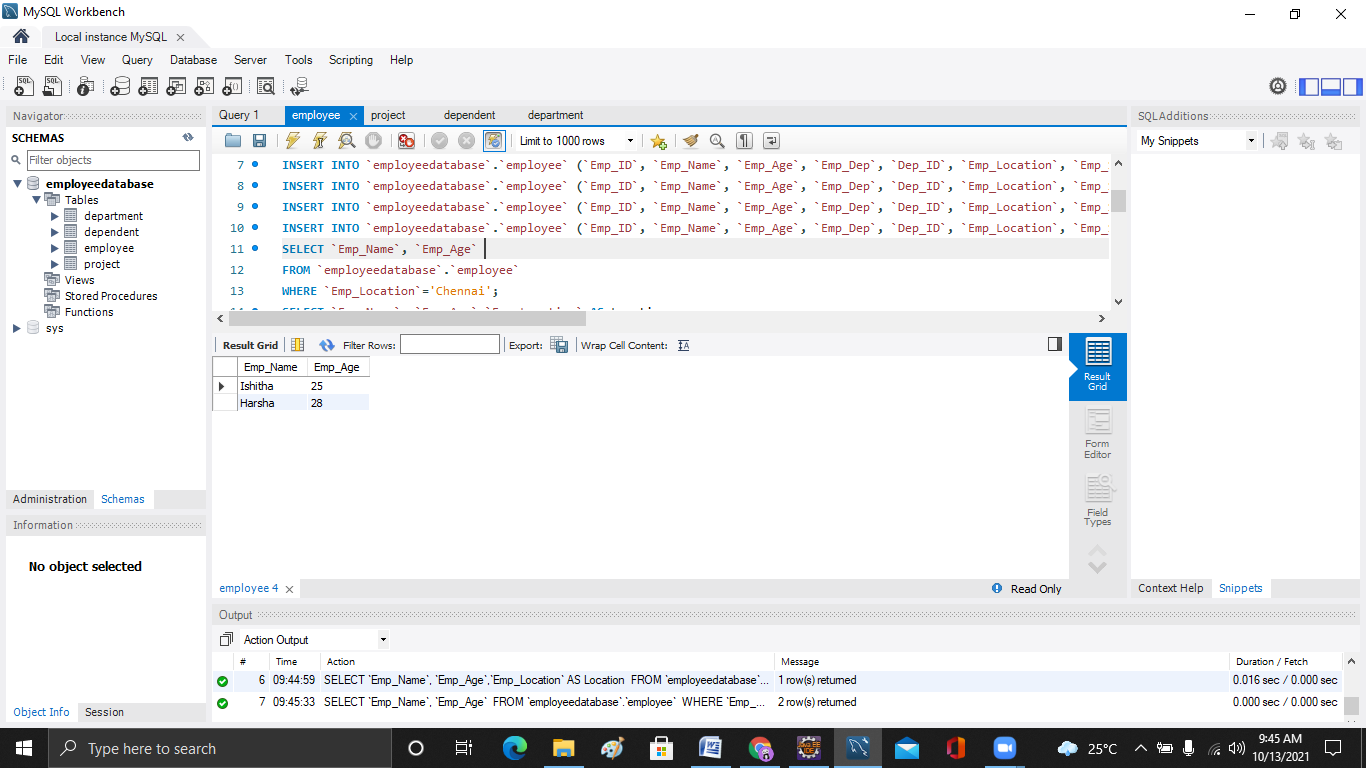
INSERT INTO `employeedatabase`.`dependent` (`E\_ID`, `Dependent\_Name`, `Dependent\_Relation`) VALUES ('106', 'Priya', 'Wife');



SELECT `Emp\_Name`, `Emp\_Age`

FROM `employeedatabase`.`employee`

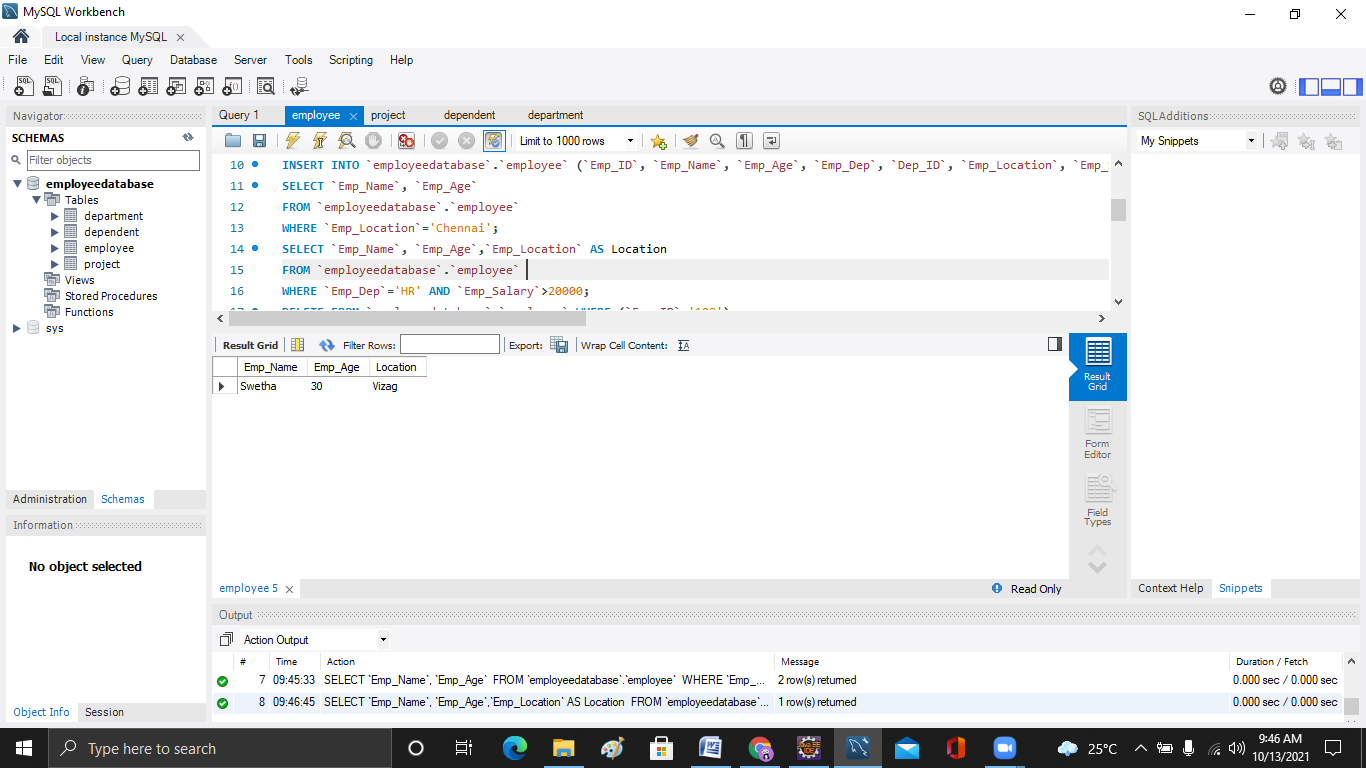
WHERE `Emp\_Location`='Chennai';



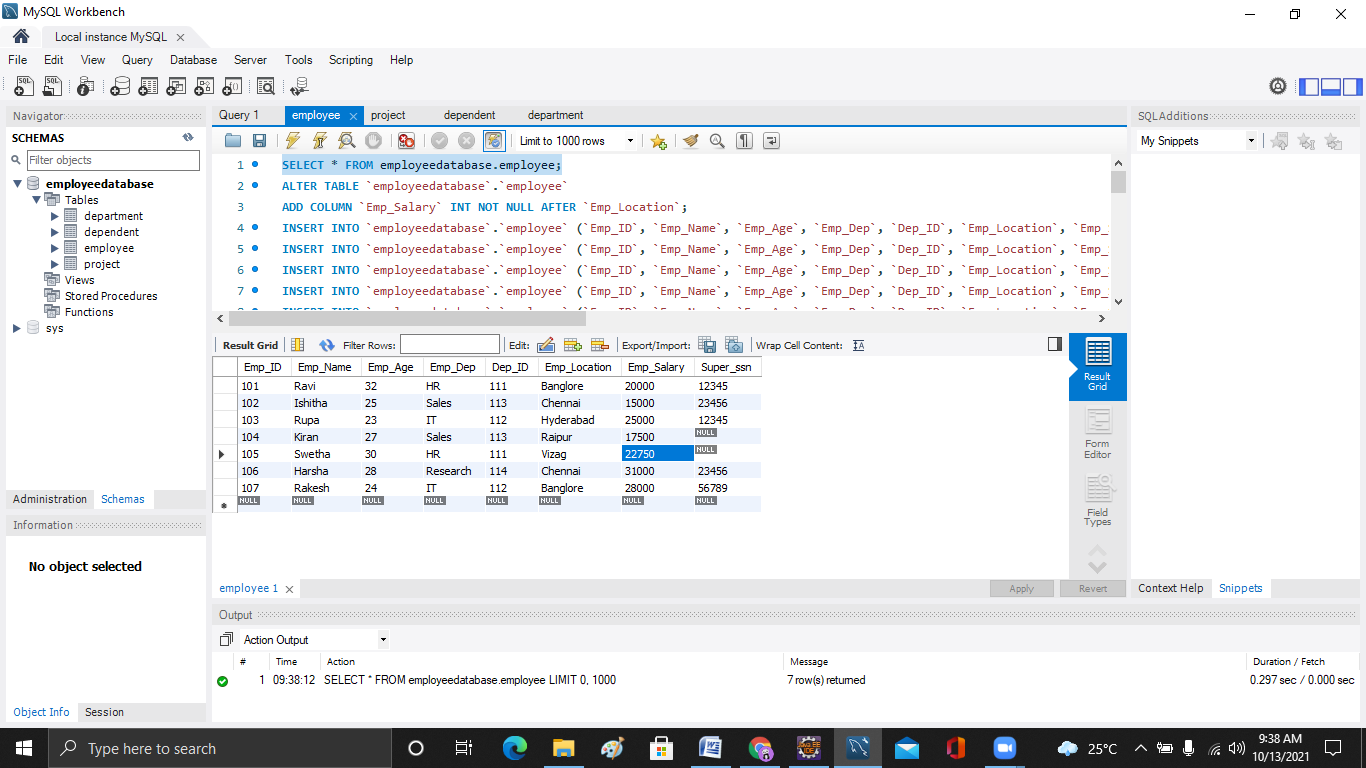
SELECT `Emp\_Name`, `Emp\_Age`,`Emp\_Location` AS Location

FROM `employeedatabase`.`employee`

WHERE `Emp\_Dep`='HR' AND `Emp\_Salary`>20000;



DELETE FROM `employeedatabase`.`employee` WHERE (`Emp\_ID`='108');



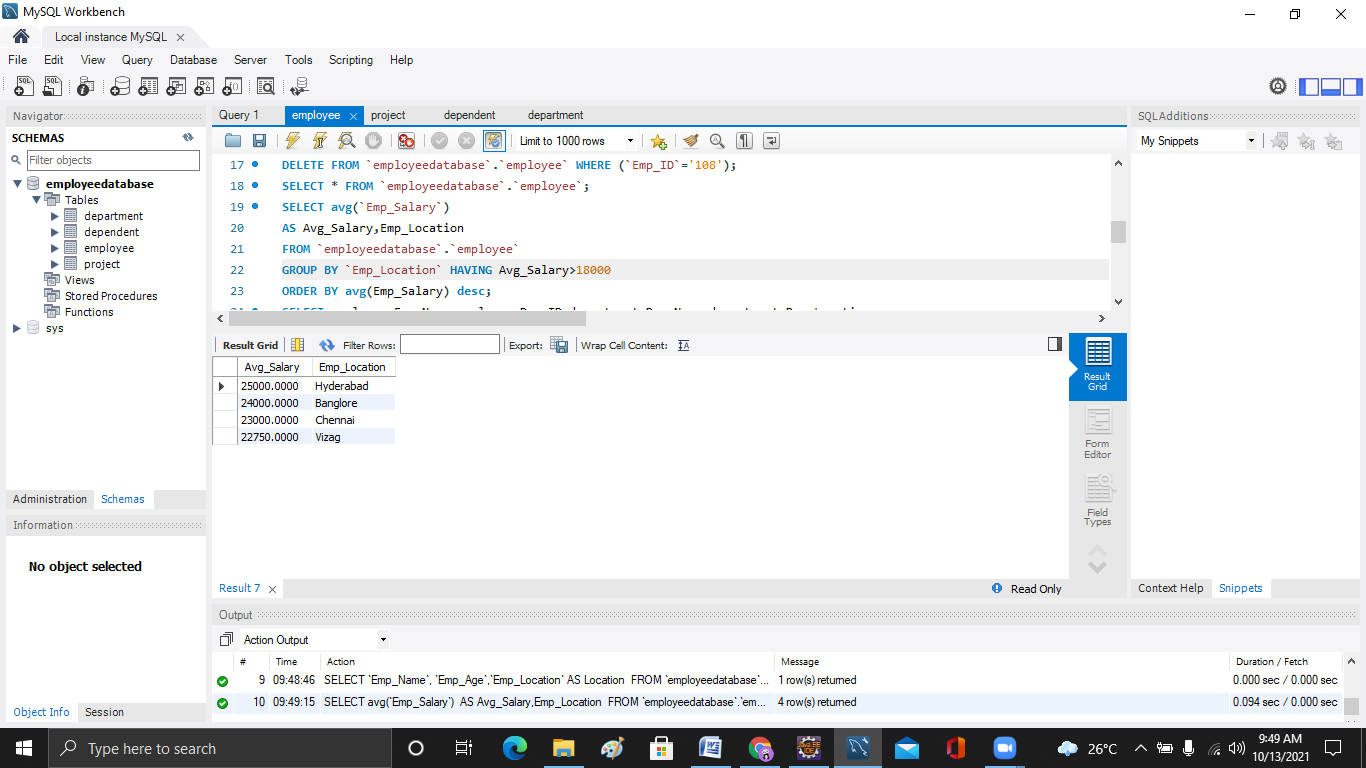
SELECT avg(`Emp\_Salary`)

AS Avg\_Salary,Emp\_Location

FROM `employeedatabase`.`employee`

GROUP BY `Emp\_Location` HAVING Avg\_Salary>18000

ORDER BY avg(Emp\_Salary) desc;



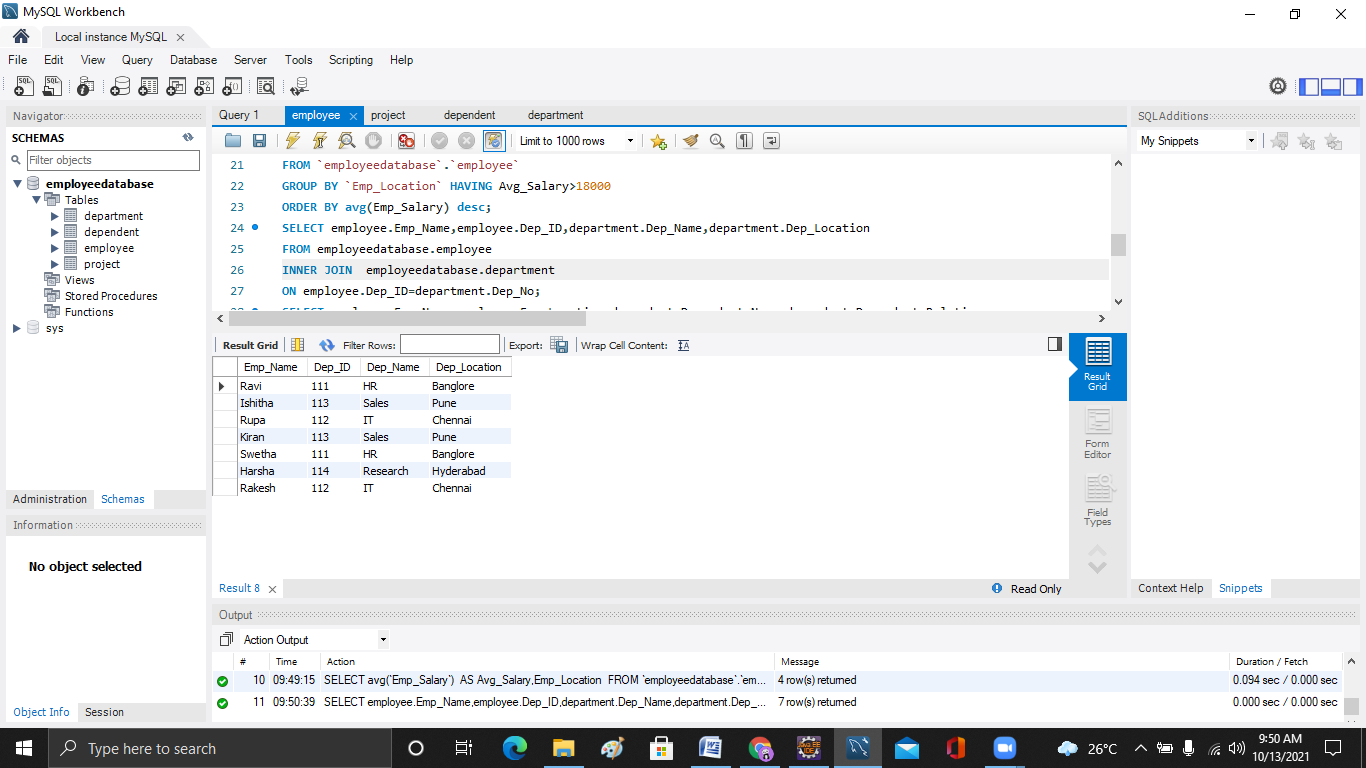
**INNER JOIN**

SELECT employee.Emp\_Name,employee.Dep\_ID,department.Dep\_Name,department.Dep\_Location

FROM employeedatabase.employee

INNER JOIN employeedatabase.department

ON employee.Dep\_ID=department.Dep\_No;



**LEFT JOIN**

SELECT employee.Emp\_Name,employee.Emp\_Location,dependent.Dependent\_Name,dependent.Dependent\_Relation

FROM employeedatabase.employee

LEFT JOIN employeedatabase.dependent

ON employee.Emp\_ID=dependent.E\_ID;

