Create a Database in MySQL:

i. Create a Table employee with following fields:
   a. Empid   (Primary Key)
   b. First name
   Last name
   c. Age
   d. Gender
   e. Salary
   f. City
   g. Department

-- To show all the databases

 SHOW DATABASES;

-- To CREATE NEW DATABASE sqlproject

CREATE DATABASE sqlproject ;

-- use sqlproject databse

USE sqlproject;

-- Select db used to know which is our current db

SELECT database();

```sql
-- To delete table  if it is exists already

drop table if exists employee;



CREATE TABLE IF NOT EXISTS employee (

    emp_id VARCHAR(20) PRIMARY KEY,

    first_name VARCHAR(30) NOT NULL,

    last_name VARCHAR(35) NOT NULL,

    age INT CHECK (age BETWEEN 21 AND 60),

    gender CHAR(1) CHECK (gender IN ('F', 'M')),

    salary INT CHECK (salary >= 0),  -- Assuming salary should be non-
negative

    city VARCHAR(30) DEFAULT 'CHENNAI',

    department VARCHAR(30) NOT NULL,

    CONSTRAINT valid_salary CHECK (salary >= 0),  -- Additional
constraint for clarity

    CONSTRAINT valid_department CHECK (LENGTH(department) > 0)  --
Additional constraint for non-empty department

);



DESC  employee;
```
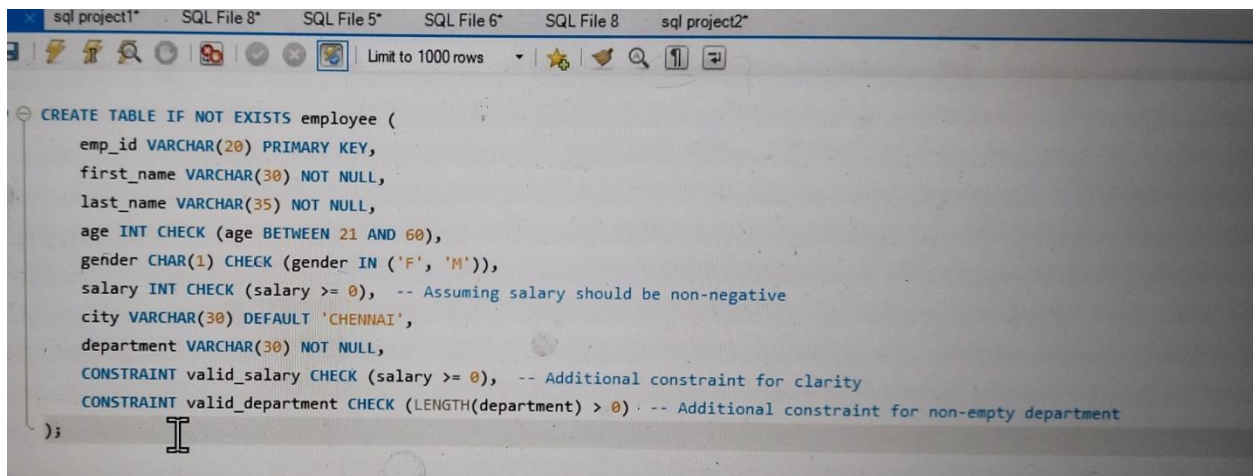
Limit to 1000 rows

```sql
CREATE TABLE IF NOT EXISTS employee (
    emp_id VARCHAR(20) PRIMARY KEY,
    first_name VARCHAR(30) NOT NULL,
    last_name VARCHAR(35) NOT NULL,
    age INT CHECK (age BETWEEN 21 AND 60),
    gender CHAR(1) CHECK (gender IN ('F', 'M')),
    salary INT CHECK (salary >= 0),  -- Assuming salary should be non-negative
    city VARCHAR(30) DEFAULT 'CHENNAI',
    department VARCHAR(30) NOT NULL,
    CONSTRAINT valid_salary CHECK (salary >= 0),  -- Additional constraint for clarity
    CONSTRAINT valid_department CHECK (LENGTH(department) > 0) -- Additional constraint for non-empty department
);
```

Create a table department with following fields:

      i. Deptid

     ii. Deptname

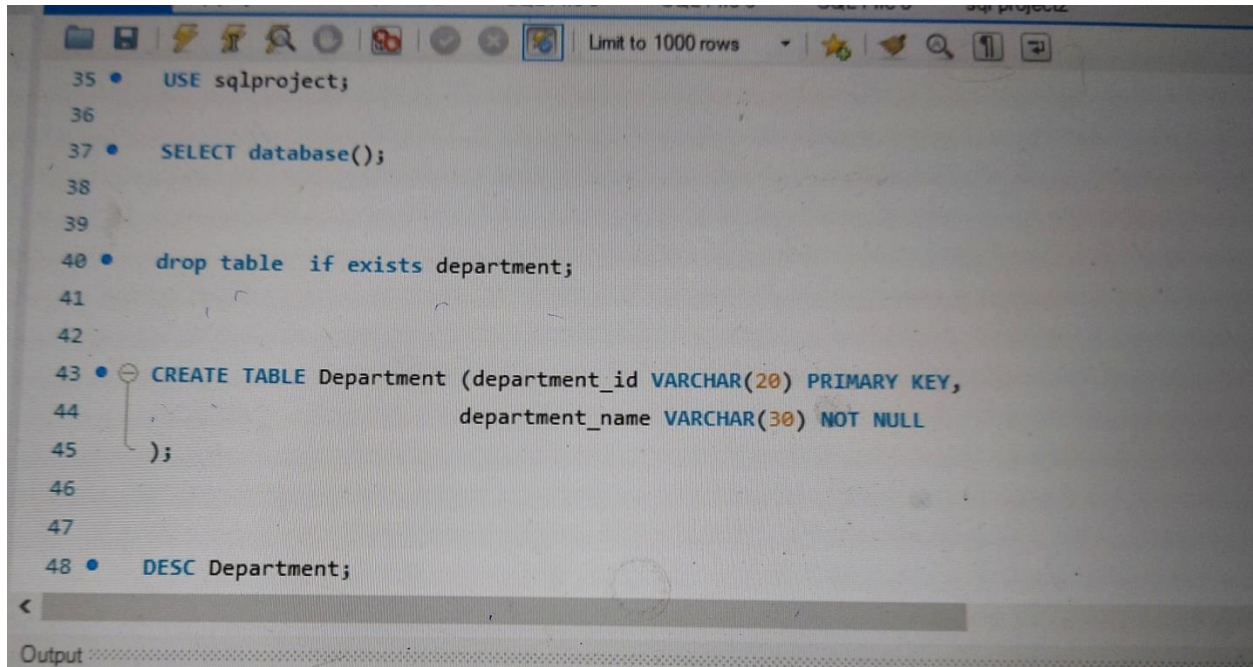-- To CREATE NEW DATABASE sqlproject

CREATE DATABASE sqlproject ;

-- use

USE sqlproject;

SELECT database();

drop table if exists department;

CREATE TABLE Department (department_id VARCHAR(20) PRIMARY KEY,department_name VARCHAR(30) NOT NULL);

DESC Department;

```
        |  Limit to 1000 rows    -

35  •   USE sqlproject;
36
37  •   SELECT database();
38
39
40  •   drop table  if exists department;
41
42
43  • ⊖ CREATE TABLE Department (department_id VARCHAR(20) PRIMARY KEY,
44                      department_name VARCHAR(30) NOT NULL
45      );
46
47
48  •   DESC Department;
```

Output