SQL Task 1

• Software used: MySQL workbench

• Create a new database name as library_db

```
Create database library_db ;

Use library_db ;
```

• Create a table name as employees

```
CREATE TABLE employees (
    emp_id INT,
    emp_name VARCHAR(20),
    position VARCHAR(20),
    Salary INT,
    branch_id INT PRIMARY KEY
);
```

• Create another table as branch

```
CREATE TABLE branch (
    manager_id INT,
    branch_address VARCHAR(250),
    contact_no NUMERIC,
    branch_id INT,
    FOREIGN KEY (branch_id)
        REFERENCES employees (branch_id)
);
```

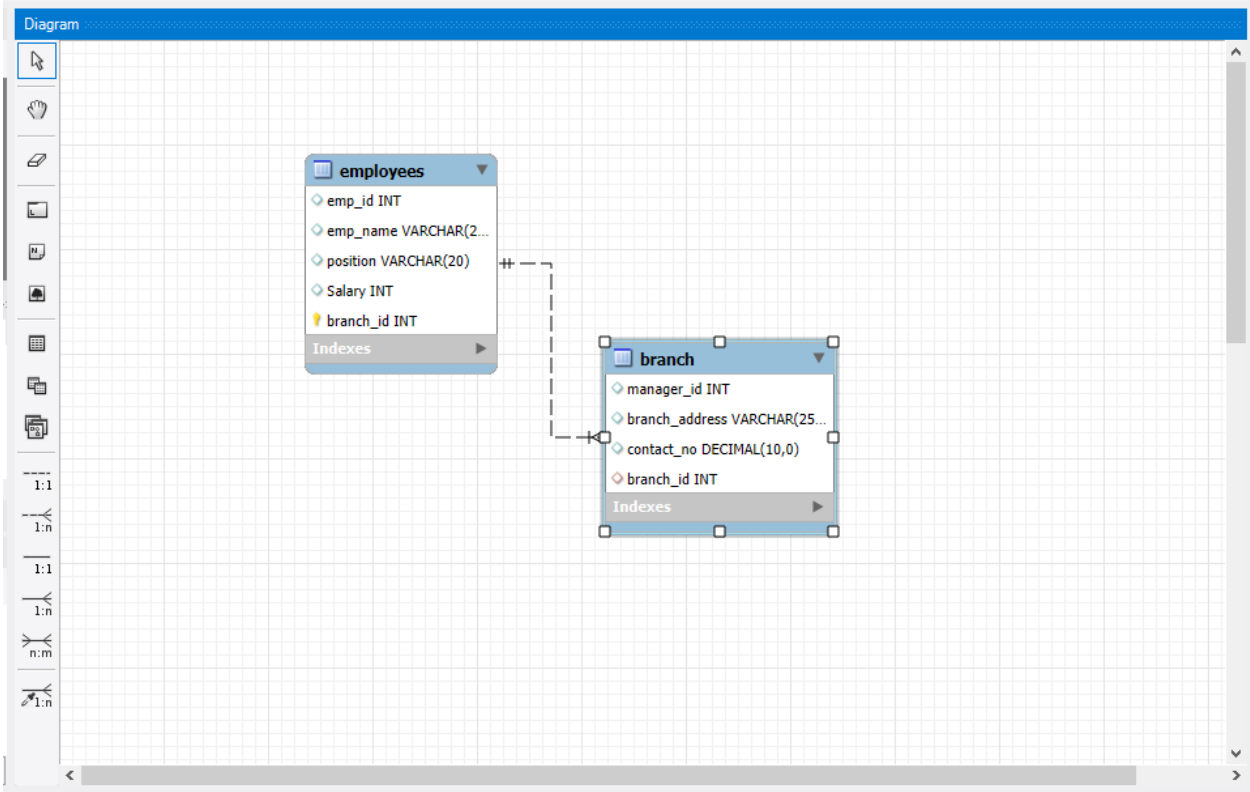
• Primary key in the given tables

```
branch_id INT PRIMARY KEY
```

• Foreign key in the given tables

```
branch_id INT,
FOREIGN KEY (branch_id)
    REFERENCES employees (branch_id)
```

• ER Diagram for the given tables



• Schema

```
Create database library_db ;

Use library_db ;


CREATE TABLE employees (
    emp_id INT,
    emp_name VARCHAR(20),
    position VARCHAR(20),
    Salary INT,
    branch_id INT PRIMARY KEY
);

CREATE TABLE branch (
    manager_id INT,
    branch_address VARCHAR(250),
    contact_no NUMERIC,
    branch_id INT,
    FOREIGN KEY (branch_id)
        REFERENCES employees (branch_id)
);
```