Untitled-1

```
91   CREATE DATABASE library;
92   USE library;
93
94   # create table "Branch"
95   CREATE TABLE Branch
96   (
97   Branch_no VARCHAR(10) PRIMARY KEY,
98   Manager_id VARCHAR(10),
99   Branch_address VARCHAR(30),
100  Contact_no VARCHAR(15)
101  );
102  DESC branch;
103
104  # Create table "Employee"
105  CREATE TABLE Employee
106  (
107  Emp_id VARCHAR(10) PRIMARY KEY,
108  Emp_name VARCHAR(30),
109  Position VARCHAR(30),
110  Salary DECIMAL(10,2)
111  );
112  DESC employee;
113
114  # Create table "Customer"
115  CREATE TABLE Customer
116  (
117  Customer_Id VARCHAR(10) PRIMARY KEY,
118  Customer_name VARCHAR(30),
119  Customer_address VARCHAR(30),
120  Reg_date DATE
121  );
122  DESC customer;
123  SHOW TABLES;
124
125  # Insert values into each tables
126  INSERT INTO branch VALUES
127  ('B001', 'M101', '123 Main St', '+919099988676'),
128  ('B002', 'M102', '456 Elm St', '+919099988677'),
129  ('B003', 'M103', '789 Oak St', '+919099988678'),
130  ('B004', 'M104', '567 Pine St', '+919099988679'),
131  ('B005', 'M105', '890 Maple St', '+919099988680');
132  SELECT * FROM branch;
133
134  INSERT INTO employee VALUES
135  ('E101', 'John Doe', 'Manager', 60000.00),
136  ('E102', 'Jane Smith', 'Clerk', 45000.00),
137  ('E103', 'Mike Johnson', 'Librarian', 55000.00),
138  ('E104', 'Emily Davis', 'Assistant', 40000.00),
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139   ('E105', 'Sarah Brown', 'Assistant', 42000.00),
140   ('E106', 'Michelle Ramirez', 'Assistant', 43000.00),
141   ('E107', 'Michael Thompson', 'Manager', 62000.00),
142   ('E108', 'Jessica Taylor', 'Clerk', 46000.00),
143   ('E109', 'Daniel Anderson', 'Librarian', 57000.00),
144   ('E110', 'Laura Martinez', 'Assistant', 41000.00),
145   ('E111', 'Christopher Lee', 'Manager', 65000.00);
146   SELECT * FROM employee;
147
148   INSERT INTO customer VALUES
149   ('C101', 'Alice Johnson', '123 Main St', '2021-05-15'),
150   ('C102', 'Bob Smith', '456 Elm St', '2021-06-20'),
151   ('C103', 'Carol Davis', '789 Oak St', '2021-07-10'),
152   ('C104', 'Dave Wilson', '567 Pine St', '2021-08-05'),
153   ('C105', 'Eve Brown', '890 Maple St', '2021-09-25'),
154   ('C106', 'Frank Thomas', '234 Cedar St', '2021-10-15'),
155   ('C107', 'Grace Taylor', '345 Walnut St', '2021-11-20'),
156   ('C108', 'Henry Anderson', '456 Birch St', '2021-12-10'),
157   ('C109', 'Ivy Martinez', '567 Oak St', '2022-01-05'),
158   ('C110', 'Jack Wilson', '678 Pine St', '2022-02-25');
159   SELECT * FROM customer;
160   SELECT emp_name, salary FROM employee ORDER BY Salary DESC;
161   SELECT emp_name, position FROM employee WHERE Salary > 50000;
162   ALTER TABLE employee ADD COLUMN branch_no VARCHAR(10);
163   ALTER TABLE employee ADD CONSTRAINT FOREIGN KEY (branch_no)
164   REFERENCES branch(branch_no);
165   DESC employee;
166   UPDATE employee SET branch_no = 'B001' WHERE emp_id ='E101';
167   UPDATE employee SET branch_no = 'B001' WHERE emp_id ='E102';
168   UPDATE employee SET branch_no = 'B001' WHERE emp_id ='E103';
169   UPDATE employee SET branch_no = 'B001' WHERE emp_id ='E104';
170   UPDATE employee SET branch_no = 'B002' WHERE emp_id ='E105';
171   UPDATE employee SET branch_no = 'B003' WHERE emp_id ='E106';
172   UPDATE employee SET branch_no = 'B002' WHERE emp_id ='E107';
173   UPDATE employee SET branch_no = 'B002' WHERE emp_id ='E108';
174   UPDATE employee SET branch_no = 'B002' WHERE emp_id ='E109';
175   UPDATE employee SET branch_no = 'B004' WHERE emp_id ='E110';
176   UPDATE employee SET branch_no = 'B003' WHERE emp_id ='E111';
177
178   SELECT * FROM employee;
179
180   SELECT branch_no, COUNT(emp_id) FROM employee GROUP BY branch_no;
181   SELECT branch_no, COUNT(emp_id) FROM employee GROUP BY branch_no HAVING COUNT(Emp_id) > 5;
```