## **DBMS CLASS LAB 2**

PART A Create the Empinfo table and Insert the data (Include the SQL statement)

**SQL QUERY CODE:** CREATE TABLE Empinfo ( first varchar(255), last varchar(255), id int, age int, city varchar(255), state varchar(255), ); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('John', 'Jones', '99980', '45', 'Payson', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Mary', 'Jones', '99982', '25', 'Payson', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Eric', 'Edwards', '88232', '32', 'San Diego', 'California'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Mary Ann', 'Edwards', '88233', '32', 'Phoenix', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Mary Ann', 'Edwards', '88233', '32', 'Phoenix', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Ginger', 'Howell', '98002', '42', 'Cottonwood', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Sebastian', 'Smith', '92001', '24', 'Gila Bend', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Gus', 'Gary', '22322', '32', 'Baghdad', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Mary Ann', 'May', '32326', '52', 'Tucson', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Erica', 'Williams', '32327', '60', 'Show Low', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state) VALUES ('Leroy', 'Brown', '32380', '22', 'Pinetop', 'Arizona'); INSERT INTO Empinfo (first, last, id, age, city, state)

VALUES ('Elroy', 'Cleaver', '32382', '22', 'Globe', 'Arizona');

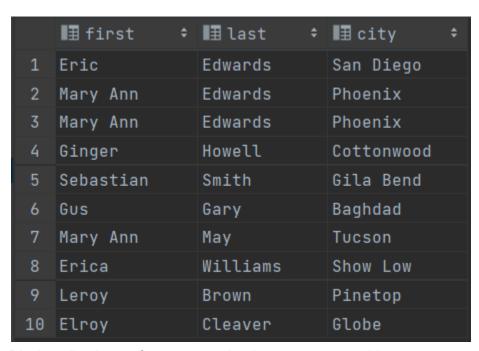
1. Display the first name and age of everyone that's on the table.

SELECT first, age FROM Empinfo;

	first	age
1	John	45
2	Mary	25
3	Eric	32
4	Mary Ann	32
5	Mary Ann	32
6	Ginger	42
7	Sebastian	24
8	Gus	32
9	Mary Ann	52
10	Erica	60
11	Leroy	22
12	Elroy	22

2. Display the first name, last name, and city of everyone not from Payson.

SELECT first, last, city FROM Empinfo WHERE city != 'Payson';



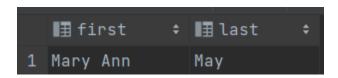
3. Display all columns for everyone that is over 40 years old.

SELECT first, last, city FROM Empinfo WHERE age > 40;

	I≣ first ‡	I≣ last	<b>I</b> ≣id ≎	∎age ≎	I≣ city ÷	I≣ state
1	John	Jones	99980	45	Payson	Arizona
2	Ginger	Howell	98002	42	Cottonwood	Arizona
3	Mary Ann	May	32326	52	Tucson	Arizona
4	Erica	Williams	32327	60	Show Low	Arizona

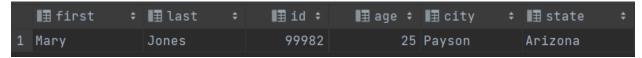
4. Display the first and last names of everyone whose last name ends in an "ay".

SELECT first, last FROM Empinfo WHERE last LIKE '%ay';



5. Display all columns for everyone whose first name equals "Mary".

SELECT \*
FROM Empinfo
WHERE first = 'Mary';



6. Display all columns for everyone whose first name contains "Mary".

SELECT \*
FROM Empinfo
WHERE first LIKE 'Mary%';

	I≣ first	III last	⊞ id ≎	∎ age ¢	I≣ city ≎	∎ state 💠
1	Mary	Jones	99982	25	Payson	Arizona
2	Mary Ann	Edwards	88233	32	Phoenix	Arizona
3	Mary Ann	Edwards	88233	32	Phoenix	Arizona
4	Mary Ann	May	32326	52	Tucson	Arizona