

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');
```

PART B

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';
```

	first	last	city
1	Eric	Edwards	San Diego
2	Mary Ann	Edwards	Phoenix
3	Mary Ann	Edwards	Phoenix
4	Ginger	Howell	Cottonwood
5	Sebastian	Smith	Gila Bend
6	Gus	Gary	Baghdad
7	Mary Ann	May	Tucson
8	Erica	Williams	Show Low
9	Leroy	Brown	Pinetop
10	Elroy	Cleaver	Globe

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

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

	first	last	id	age	city	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

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

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

	first	last
1	Mary Ann	May

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

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

	first	last	id	age	city	state
1	Mary	Jones	99982	25	Payson	Arizona

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

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

	first	last	id	age	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