Identify primary keys and foreign keys for following database. Create tables and execute queries for
given statements.
emp(eid,ename,street,city);
works(eid,company_name,salary);
company(company_name,city);
manages(eid,manager_id);
Write queries for the following questions:
1. Update company of employee name = ‘Prashant’ from ‘Infosys’ to ‘TCS’.
2. Display names & cities of all employees who work for 'Infosys'
3. Display names & Street address & of all employees who work in TCS cities and earn more
than 20000.
4. Find all employees in database who do not work for 'Infosys'.
5. Find company wise total salary.
6. Find names of all employees who work for 'Accenture'.

```
CREATE TABLE emp (
    eid INT PRIMARY KEY,
    ename VARCHAR(50),
    street VARCHAR(100),
    city VARCHAR(50)
);

CREATE TABLE company (
    company_name VARCHAR(50) PRIMARY KEY,
    city VARCHAR(50)
);


CREATE TABLE works (
    eid INT,
    company_name VARCHAR(50),
    salary INT,
    FOREIGN KEY (eid) REFERENCES emp(eid),
    FOREIGN KEY (company_name) REFERENCES company(company_name)
);

CREATE TABLE manages (
    eid INT,
    manager_id INT,
    FOREIGN KEY (eid) REFERENCES emp(eid),
    FOREIGN KEY (manager_id) REFERENCES emp(eid)
);

INSERT INTO emp VALUES
(1, 'Prashant', 'MG Road', 'Pune'),
```

```
(2, 'Ravi', 'BTM Layout', 'Bangalore'),
(3, 'Sneha', 'Kothrud', 'Pune'),
(4, 'Arjun', 'Andheri', 'Mumbai');

INSERT INTO company VALUES
('Infosys', 'Bangalore'),
('TCS', 'Mumbai'),
('Accenture', 'Pune');

INSERT INTO works VALUES
(1, 'Infosys', 18000),
(2, 'TCS', 25000),
(3, 'TCS', 22000),
(4, 'Accenture', 30000);

INSERT INTO manages VALUES
(2, 1),
(3, 1),
(4, 2);

-- 1. Update company of employee name = ‘Prashant’ from ‘Infosys’ to ‘TCS’
UPDATE works
SET company_name = 'TCS'
WHERE eid = (SELECT eid FROM emp WHERE ename = 'Prashant')
        AND company_name = 'Infosys';

-- 2. Display names & cities of all employees who work for 'Infosys'
SELECT e.ename, e.city
FROM emp e
JOIN works w ON e.eid = w.eid
WHERE w.company_name = 'Infosys';

-- 3. Display names & street address of employees who work in TCS cities and earn
more than 20000
SELECT e.ename, e.street
FROM emp e
JOIN works w ON e.eid = w.eid
JOIN company c ON w.company_name = c.company_name
WHERE c.city = (SELECT city FROM company WHERE company_name = 'TCS')
        AND w.salary > 20000;

-- 4. Find all employees in database who do not work for 'Infosys'
SELECT e.ename
FROM emp e
JOIN works w ON e.eid = w.eid
WHERE w.company_name != 'Infosys';

-- 5. Find company-wise total salary
SELECT company_name, SUM(salary) AS total_salary
FROM works
```

```
GROUP BY company_name;

-- 6. Find names of all employees who work for 'Accenture'
SELECT e.ename
FROM emp e
JOIN works w ON e.eid = w.eid
WHERE w.company_name = 'Accenture';
```