Identify primary keys and foreign keys for following database. Create tables and execute queries for
given statements.
employee(eid,ename,salary)
assignment(projectid,eid)
project(projectid,project_name,manager)
manager(eid,ename)
Write queries for the following questions:
1. Modify eid to use auto_increment
2. Display Employees working in both projects 'Bank Management' and 'Content Management'.
3. Display average salary of organization.
4. Display employees who do not work on 'Bank Management' Project.
5. Delete employee whose id is 5.
6. Display employee having highest salary in oraganization.

```
CREATE TABLE manager (
    eid INT PRIMARY KEY,
    ename VARCHAR(50)
);

CREATE TABLE project (
    projectid INT PRIMARY KEY,
    project_name VARCHAR(100),
    manager INT,
    FOREIGN KEY (manager) REFERENCES manager(eid)
);

CREATE TABLE employee (
    eid INT AUTO_INCREMENT PRIMARY KEY,
    ename VARCHAR(50),
    salary INT
);

CREATE TABLE assignment (
    projectid INT,
    eid INT,
    FOREIGN KEY (projectid) REFERENCES project(projectid),
    FOREIGN KEY (eid) REFERENCES employee(eid)
);

-- Insert into manager
INSERT INTO manager VALUES
(1001, 'Mr. Sharma'),
(1002, 'Ms. Rani');

-- Insert into project
```

```
INSERT INTO project VALUES
(201, 'Bank Management', 1001),
(202, 'Content Management', 1002),
(203, 'E-commerce', 1001);

-- Insert into employee
INSERT INTO employee (ename, salary) VALUES
('Alice', 50000),
('Bob', 42000),
('Charlie', 47000),
('David', 39000),
('Eva', 51000);

-- Insert into assignment
INSERT INTO assignment VALUES
(201, 1), -- Alice
(202, 1), -- Alice
(201, 2), -- Bob
(202, 3), -- Charlie
(203, 4), -- David
(201, 5), -- Eva
(202, 5); -- Eva

-- 1. Modify eid to use AUTO_INCREMENT
ALTER TABLE employee MODIFY eid INT AUTO_INCREMENT;

-- 2. Display employees working in both 'Bank Management' and 'Content Management'
SELECT e.ename
FROM employee e
WHERE e.eid IN (
    SELECT a1.eid
    FROM assignment a1
    JOIN project p1 ON a1.projectid = p1.projectid
    WHERE p1.project_name = 'Bank Management'
)
AND e.eid IN (
    SELECT a2.eid
    FROM assignment a2
    JOIN project p2 ON a2.projectid = p2.projectid
    WHERE p2.project_name = 'Content Management'
);

-- 3. Display average salary of organization
SELECT AVG(salary) AS avg_salary FROM employee;

-- 4. Display employees who do not work on 'Bank Management' Project
SELECT e.ename
FROM employee e
WHERE e.eid NOT IN (
    SELECT a.eid
```

```
    FROM assignment a
    JOIN project p ON a.projectid = p.projectid
    WHERE p.project_name = 'Bank Management'
);

-- 5. Delete employee whose id is 5
-- First delete from assignment
DELETE FROM assignment WHERE eid = 5;

-- Then delete from employee
DELETE FROM employee WHERE eid = 5;

-- 6. Display employee having highest salary in organization
SELECT ename, salary
FROM employee
WHERE salary = (SELECT  MAX(salary) FROM employee);
```