-- Create the 'emp' table

CREATE TABLE emp (

eno INT,

ename VARCHAR(50),

bdate DATE,

title VARCHAR(50),

salary DECIMAL(10, 2),

dno INT

);

-- Insert some sample data into the 'emp' table

INSERT INTO emp (eno, ename, bdate, title, salary, dno) VALUES

(1, 'John Doe', '1990-01-01', 'Manager', 5000.00, 1),

(2, 'Jane Smith', '1995-02-15', 'Engineer', 4000.00, 2),

(3, 'Mike Johnson', '1998-07-10', 'Analyst', 3000.00, 1);

-- Create the 'proj' table

CREATE TABLE proj (

pno INT,

pname VARCHAR(50),

budget DECIMAL(10, 2),

dno INT

);

-- Insert some sample data into the 'proj' table

INSERT INTO proj (pno, pname, budget, dno) VALUES

(1, 'Project A', 100000.00, 1),

(2, 'Project B', 75000.00, 2),

(3, 'Project C', 50000.00, 1);

-- Create the 'dept' table

CREATE TABLE dept (

dno INT,

dname VARCHAR(50),

mgreno INT

);

-- Insert some sample data into the 'dept' table

INSERT INTO dept (dno, dname, mgreno) VALUES

(1, 'Consulting', 1),

(2, 'Development', 2),

(3, 'Marketing', 3);

-- Create the 'workson' table

CREATE TABLE workson (

eno INT,

pno INT,

hours INT

);

-- Insert some sample data into the 'workson' table

INSERT INTO workson (eno, pno, hours) VALUES

(1, 1, 20),

(2, 2, 15),

(3, 3, 8);

1st

SELECT proj.pname, workson.hours, proj.pno

FROM proj

JOIN workson ON proj.pno = workson.pno

WHERE workson.hours > 10;

2nd

SELECT proj.pname, dept.dname, proj.budget

FROM proj

JOIN dept ON proj.dno = dept.dno

WHERE proj.budget < 50000.00;

3rd

SELECT emp.eno, emp.salary

FROM emp

JOIN dept ON emp.dno = dept.dno

WHERE dept.dname = 'Consulting'

ORDER BY emp.salary DESC;

4th

SELECT emp.ename, proj.pname, emp.title, workson.hours

FROM emp

JOIN workson ON emp.eno = workson.eno

JOIN proj ON workson.pno = proj.pno;