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CREATE DATABASE IF NOT EXISTS DBMS;

USE DBMS;

CREATE TABLE employees (
    employee_id INT AUTO_INCREMENT PRIMARY KEY,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    department VARCHAR(50),
    salary DECIMAL(10, 2)
);

INSERT INTO employees (first_name, last_name, department, salary)
VALUES
    ('John', 'Doe', 'HR', 50000.00),
    ('Jane', 'Smith', 'Finance', 60000.00),
    ('Sam', 'Johnson', 'IT', 70000.00),
    ('Lucy', 'Davis', 'HR', 55000.00);

CREATE TABLE projects (
    project_id INT AUTO_INCREMENT PRIMARY KEY,
    project_name VARCHAR(100),
    department VARCHAR(50),
    project_budget DECIMAL(10, 2)
);

INSERT INTO projects (project_name, department, project_budget)
VALUES
    ('Project Alpha', 'HR', 100000.00),
    ('Project Beta', 'Finance', 150000.00),
    ('Project Gamma', 'IT', 200000.00),
    ('Project Delta', 'HR', 120000.00);

CREATE VIEW hr_employees_view AS
SELECT employee_id, first_name, last_name, department, salary
FROM employees
WHERE department = 'HR' AND salary > 50000.00;
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CREATE VIEW employee_project_view AS

SELECT e.employee_id, e.first_name, e.last_name, e.department, p.project_name
FROM employees e
JOIN projects p ON e.department = p.department;

```

So, the output of the view hr_employees_view will be:

employee_id	first_name	last_name	department	salary
4	Lucy	Davis	HR	55000.00

Thus, the output of the view employee_project_view will be:

employee_id	first_name	last_name	department	project_name
1	John	Doe	HR	Project Alpha
1	John	Doe	HR	Project Delta
4	Lucy	Davis	HR	Project Alpha
4	Lucy	Davis	HR	Project Delta
2	Jane	Smith	Finance	Project Beta
3	Sam	Johnson	IT	Project Gamma