Project 1

Section 1

1. INSERT INTO

Project (project\_id,project\_title,project\_manager,project\_budget)

VALUES(1,"Pension System","M Phillips",25500);

INSERT INTO

Project (project\_id,project\_title,project\_manager,project\_budget)

VALUES(2,"Salary System","H Martin",15500);

INSERT INTO

Project (project\_id,project\_title,project\_manager,project\_budget)

VALUES(3,"HR System","K Lewis",10500);

1. INSERT INTO

Department(dept\_id,dept\_name)

VALUES(100,"IT");

INSERT INTO

Department(dept\_id,dept\_name)

VALUES(101,"HR");

INSERT INTO

Department(dept\_id,dept\_name)

VALUES(102,"DB");

1. INSERT INTO

employee(employee\_id,employee\_name,dept\_id)

VALUES(200,"A Smith",100);

INSERT INTO

employee(employee\_id,employee\_name,dept\_id)

VALUES(201,"B Lewis",100);

INSERT INTO

employee(employee\_id,employee\_name,dept\_id)

VALUES(202,"D Rich",101);

INSERT INTO

employee(employee\_id,employee\_name,dept\_id)

VALUES(203,"E Ford",101);

INSERT INTO

employee(employee\_id,employee\_name,dept\_id)

VALUES(204,"F James",102);

1. INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(1,200,25);

INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(1,201,18.5);

INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(1,202,21);

INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(2,203,20);

INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(2,204,17);

INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(3,201,17.5);

INSERT INTO

Proj\_Emp(project\_id,employee\_id,hourly\_rate)

VALUES(3,202,16.25);

Section 2

1. SELECT project\_title, project\_manager, project\_budget,

Employee.employee\_name,

Department.dept\_name,

Proj\_Emp.hourly\_rate

from Project

INNER JOIN Proj\_Emp

ON Project.project\_id=Proj\_Emp.project\_id

INNER JOIN Employee

ON Proj\_Emp.employee\_id=Employee.employee\_id

INNER JOIN Department

ON Employee.dept\_id=Department.dept\_id

ORDER BY 1,2,3,4;

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描述已自动生成

1. SELECT employee\_name,

MAX(Proj\_Emp.Hourly\_rate) as 'max\_hourly\_rate'

from Employee

INNER JOIN Proj\_Emp

on Employee.employee\_id=Proj\_Emp.employee\_id

GROUP BY Employee.employee\_name;

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描述已自动生成

1. SELECT project\_title,

Employee.employee\_name,project\_budget

from Project

INNER JOIN Proj\_Emp

ON Project.project\_id=Proj\_Emp.project\_id

INNER JOIN Employee

ON Proj\_Emp.employee\_id=Employee.employee\_id

where Project.project\_budget=

(SELECT MIN(Project.project\_budget)

From Project);

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描述已自动生成

1. SELECT employee\_name,

d.dept\_name,

pe.Hourly\_rate

From Employee e

INNER JOIN Proj\_Emp pe

ON e.employee\_id=pe.employee\_id

INNER JOIN Department d

ON e.dept\_id=d.dept\_id

WHERE pe.Hourly\_rate=

(SELECT MAX(pe2.Hourly\_rate)

FROM Proj\_Emp pe2

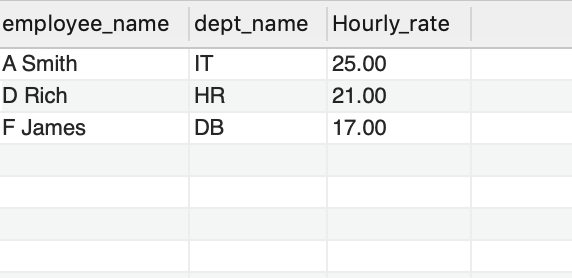
INNER JOIN Employee e2

ON pe2.employee\_id=e2.employee\_id

INNER JOIN Department d2

ON e2.dept\_id=d2.dept\_id

WHERE d.dept\_id=d2.dept\_id);



1. SELECT employee\_name,

Department.dept\_name,

Proj\_Emp.Hourly\_rate,

RANK() OVER(PARTITION BY Department.dept\_name

ORDER BY Proj\_Emp.Hourly\_rate DESC)

as 'Rank'

FROM Employee

INNER JOIN Proj\_Emp

ON Employee.employee\_id=Proj\_Emp.employee\_id

INNER JOIN Department

ON Employee.dept\_id=Department.dept\_id;

