CREATE DATABASE Employee

INSERT INTO `department` (`DepartmentNo`, `DName`, `Location`) VALUES ('10', 'Accounting', 'New York');

INSERT INTO `department` (`DepartmentNo`, `DName`, `Location`) VALUES ('', '', ''), ('20', 'Research', 'Dallas'), ('30', 'sales', 'Chicago'), ('40', 'Operations', 'Boston');

INSERT INTO `employee` (`EmployeeNo`, `EName`, `Job`, `Manager`, `Hire Date`, `Salary`, `Commission`, `DepartmentNo`) VALUES ('7499', 'Allen', 'Salesman', '7698', '1983-08-15', '1600', '300', '30');

INSERT INTO `department` (`DepartmentNo`, `DName`, `Location`) VALUES ('10', 'Accounting', 'New York');

INSERT INTO `department` (`DepartmentNo`, `DName`, `Location`) VALUES ('', '', ''), ('20', 'Research', 'Dallas'), ('30', 'sales', 'Chicago'), ('40', 'Operations', 'Boston');

INSERT INTO `salarygrade` (`Grade`, `LowSalary`, `HighSalary`) VALUES ('1', '700', '1200'), ('2', '1201', '1400'), ('3', '1401', '2000'), ('4', '2001', '3000'), ('5', '3001', '9999');

//insert

INSERT INTO `employee` (`EmployeeNo`, `EName`, `Job`, `Manager`, `Hire Date`, `Salary`, `Commission`, `DepartmentNo`) VALUES ('7499', 'Allen', 'Salesman', '7698', '1983-08-15', '1600', '300', '30');

INSERT INTO `employee` (`EmployeeNo`, `EName`, `Job`, `Manager`, `Hire Date`, `Salary`, `Commission`, `DepartmentNo`) VALUES ('7521', 'Ward', 'Salesman', '7698', '1984-03-26', '1250', '500', '30'), ('7566', 'Jones', 'Manager', '7839', '1983-10-31', '2975', NULL, '20');

//queries

Section A

select \* from employee;

select EName, Job, Hire Date from employee;

select \* from Department;

select departmentname, location from department;

select \* from employee where salary > 1500;

select \* from department where location = 'Dallas';

select Ename, Job, Salary from employee where DeptNo = '20';

select \* from department where NOT Location = 'New York';

select Ename, Job, Salary from employee

where Salary > 2000 AND DeptNO = '30';

select EName EmployeeNO, Job, Salary from employee where DeptNO = '20' OR Salary = 2500;

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `employee`

SELECT EName , Job , Hire Date FROM employee

//section B

a)

SELECT EName, DepartmentNo, Salary FROM employee WHERE Salary BETWEEN 1000 and 2000;

b)

SELECT DISTINCT(Job) from employee;

c)

SELECT \* from employee WHERE DepartmentNo = 10 OR DepartmentNo =20;

d)  
SELECT EName , DepartmentNo , Hire Date from employee WHERE Hire Date BETWEEN '1983-12-30' and '1983-01-01';

e)

SELECT EName , Job from employee WHERE Job='clerk' and DepartmentNo = 20;

f)

SELECT \* from employee WHERE EName LIKE '%TH%' or EName LIKE '%LL%';

g)

SELECT employee.DepartmentNo , department.DName from employee , department

WHERE employee.DepartmentNo = department.DepartmentNo

ORDER BY department.DName ASC;

h)

SELECT \* from salarygrade;

i)

SELECT EName , Job , Salary , Commission from employee

WHERE Manager='';

Section c

j)

select EName, DeptNO, Location

from department d, employee e

where d.DepartmentNO = e.DeptNO AND Salary > 1500;

k)

SELECT employee.EName , employee.Job , employee.Salary , salarygrade.Grade from employee , salarygrade

WHERE employee.Salary > salarygrade.LowSalary AND employee.Salary < salarygrade.HighSalary;

l)

SELECT employee.EName , employee.Job , employee.Salary , salarygrade.Grade from employee , salarygrade

WHERE employee.Salary > salarygrade.LowSalary AND employee.Salary < salarygrade.HighSalary

AND salarygrade.Grade = 3;

m)

SELECT employee.EName , employee.Job , department.DName , salarygrade.Grade from employee , department , salarygrade

where department.DepartmentNo = employee.DepartmentNo

AND (employee.Salary > salarygrade.LowSalary AND employee.Salary < salarygrade.HighSalary)

ORDER BY salarygrade.Grade DESC;

n)

select EName, Salary

from department d, employee e

where d.DepartmentNO = e.DeptNO AND Location = 'Dallas';

o)

P)

q)

select Ename AS "EmployeeName", Manager AS "Manager Number"

from employee;