

Data Centric Web Applications

Lab 3 MySQL Data from multiple tables

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Part 1

- Get `employee_kin.sql` from Moodle.
- Import it into MySQL as described in Lab 1 Exercises.

Question 1.1

Display the Employee Name and Next of Kin name of ALL employees.

Question 1.2

Display the Employee Name and Next of Kin name only of employees who have a Next of Kin.

Question 1.3

Display the Employee ID as 'Employee ID', the Employee Name as 'Employee Name' and the Employee Salary as 'Employee Salary' for all employees.

Question 1.4

Display the Employee Name as 'Employee Name' and the Next of Kin's phone number as 'Emergency Contact' only for employees with a Next of Kin.

Question 1.5

Display the Next of Kin's name as 'NOK Name' and the salary of the associated employee as 'Associated Salary' for next of kins.

Question 1.6

Display the Employee Name as 'Employee', his salary as 'Salary', and his next of Kin's phone number as 'Emergency Contact' for ALL employees.

Question 1.7

Rewrite the following query that uses Inner Joins as a Subquery.

```
mysql> select e.ename
-> from employee_table e
-> Inner Join salary s
-> on e.eid = s.eid
-> where s.salary > 46000;
+-----+
| ename |
+-----+
| Fred  |
| Darragh |
| Sean  |
+-----+
3 rows in set (0.00 sec)
```

Part 2

- Get `employeesDB14.sql` from Moodle.
- Import it into MySQL as described in Lab 1 Exercises.

Question 2.1

Display the employee name as 'Name' and department location as 'Location' of the employee 7566.

Question 2.2

Display the name, job and hiredate of all employees in department 20.

Question 2.3

Display the employee number, employee name, job, department number and department location of all employees.

Question 2.4

Show the empno, ename and sal for all employees in batches of 3 at a time.

Part 3

- Get `studentDB3.sql` from Moodle.
- Import it into MySQL as described in Lab 1 Exercises.

Question 3.1

Show the Student Name, and whether or not he/she attends an NUI university.

Question 3.2

Show college name and the number of students attending each college as 'Attending Students'.

Question 3.3

Show the college name and the population of the county where the college is.

Question 3.4

Show the Student name, the course he/she is doing, the name of the college they are attending, and the main town and population of the county in which the college is.

Question 3.5

Show the Names of the students doing the longest course.