

Test Assignments

Assignment 1

Create a database structure to store employee information. The information stored is as follows:

Main data:

- Name
- Birthdate
- ID code / SSN
- Is a current employee (yes/no)
- Contact information (e-mail, phone, address)

The following information in English, Spanish and French:

- Introduction
- Previous work experience
- Education information

Log info:

- Who and when created the entry
- Who and when last modified the data

The information should be presented as an .sql file which can be imported into a MySQL database without errors.

Assignment 2

Write a piece of code that:

- outputs an list of all integers in the range of 1-100
- in place of all numbers that are divisible by 3, outputs string "foo" instead
- in place of all numbers that are divisible by 5, outputs string "bar" instead
- for numbers that are divisible by both 3 and 5, outputs string "foobar" instead

<test>



Assignment 3

Base data: worktime.php

Parameters \$SETTINGS_nighttime_start and \$SETTINGS_nighttime_end hold the start and end of nighttime hours.

The \$EMPLOYEES array holds the employees and their shift start and end times.

All times are in the 24 hour HH:MM format. Times are with 15 minute precision (for example, 15:00, 16:15, 17:30 are allowed values, whereas 18:02 and 19:41 are not).

The assignment:

Write a code that outputs a table or list of employees, containing the following information for each:

- name
- start and end time of their shift
- the length of their shift
- how much of the shift is daytime hours
- how much of the shift is nighttime hours

The results should be displayed with a 15 minute (0.25h) precision, both “x.25” and “x:15” formats are allowed.

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