

Part 1 – SQL

These tasks will use a database provided on this website:

https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_all

In the right column, you find a list of all available tables in the database. Enter your query under 'SQL Statement' and test it by clicking 'Run SQL'.

Please save a copy of your SQL queries, as they are not saved in the browser.

1. Display the following product information for products with an origin in France or Germany:

- Product ID
- Product name
- Price
- Supplier ID
- Country of origin

2. Display only the latest order of each customer.

Part 2 – Development

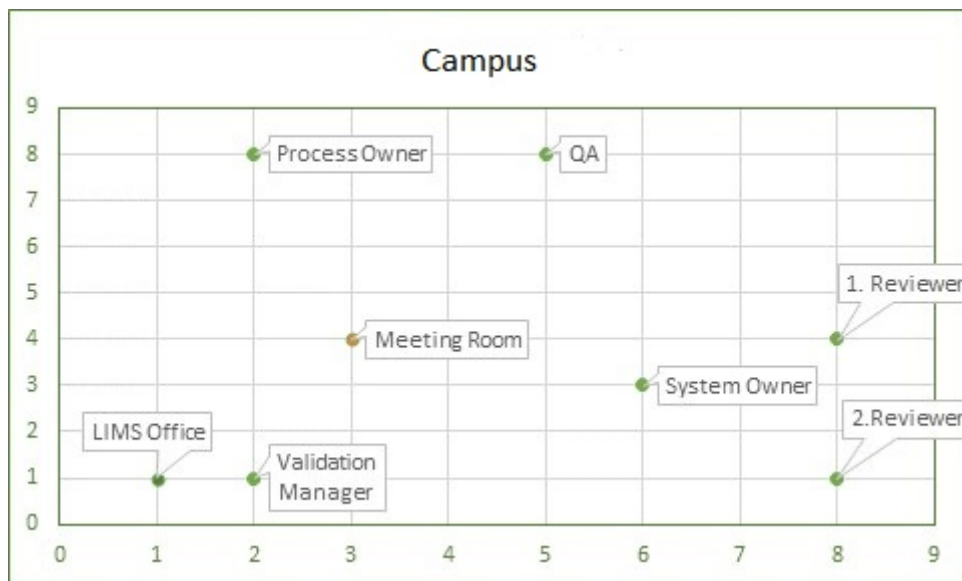
As you may know, most validation documents require many signatures from a number of different people (especially in our company).

Unfortunately, these people don't all share one office but instead are spread all over the campus.

In order to not waste too much time with pointless running around,

one of our developers was given the task to help us with this problem by determining the optimal path for the signature run.

You can find the initial draft of the code to solve this problem below. However, the code is incomplete and may also contain some errors.



1. Add further comments to the code and briefly present the code.
2. Correct any mistakes you may find in the code.
3. The following map will show you the position of all the people (green dots) which need to sign the Validation Plan of our next release.

a) Can you tell us the optimal route for this task?

b) Assume you have to start your route in the Meeting Room (orange dot). Find the optimal path under this condition.