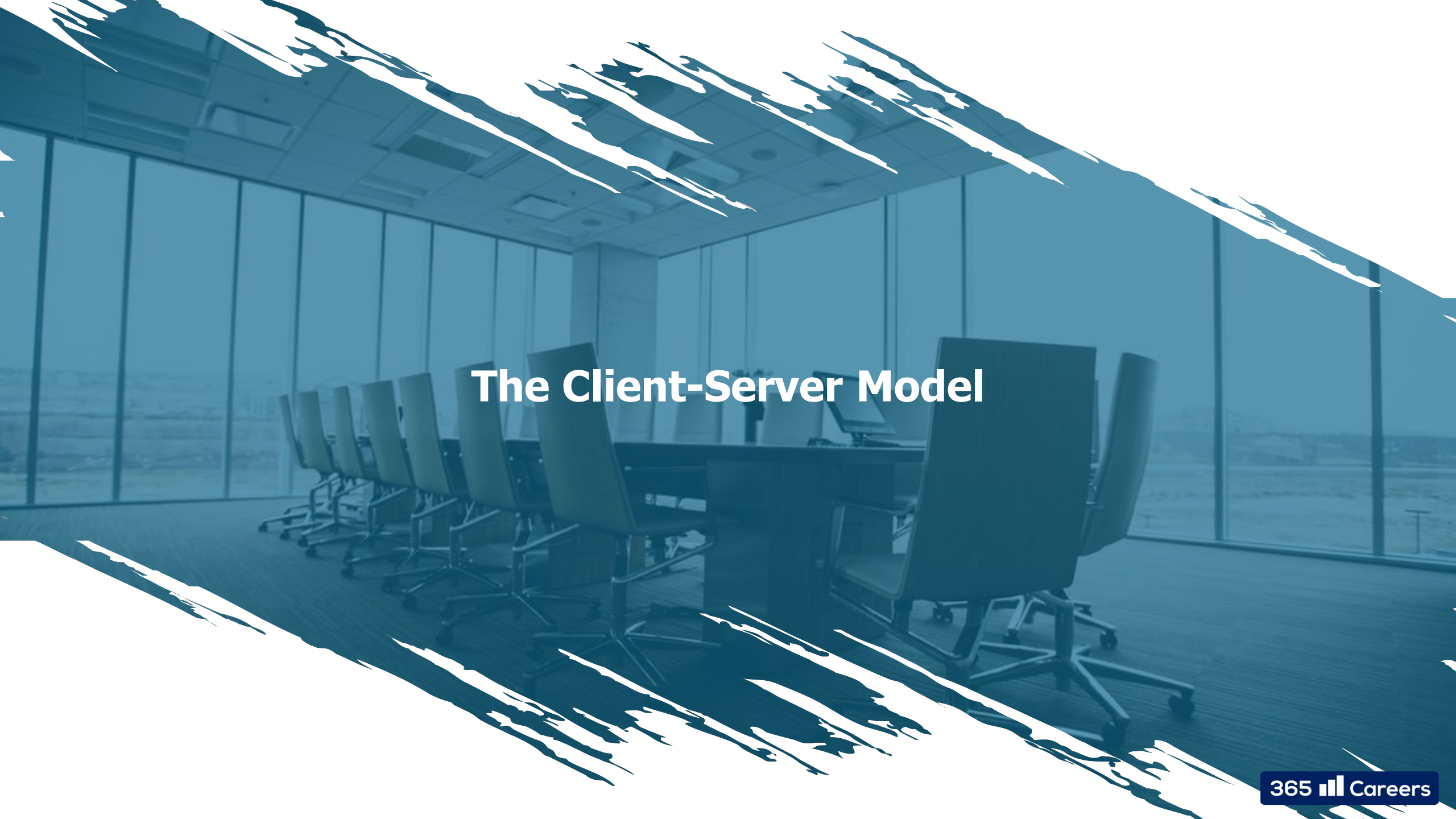
Installing MySQL and Getting Acquainted with the Interface

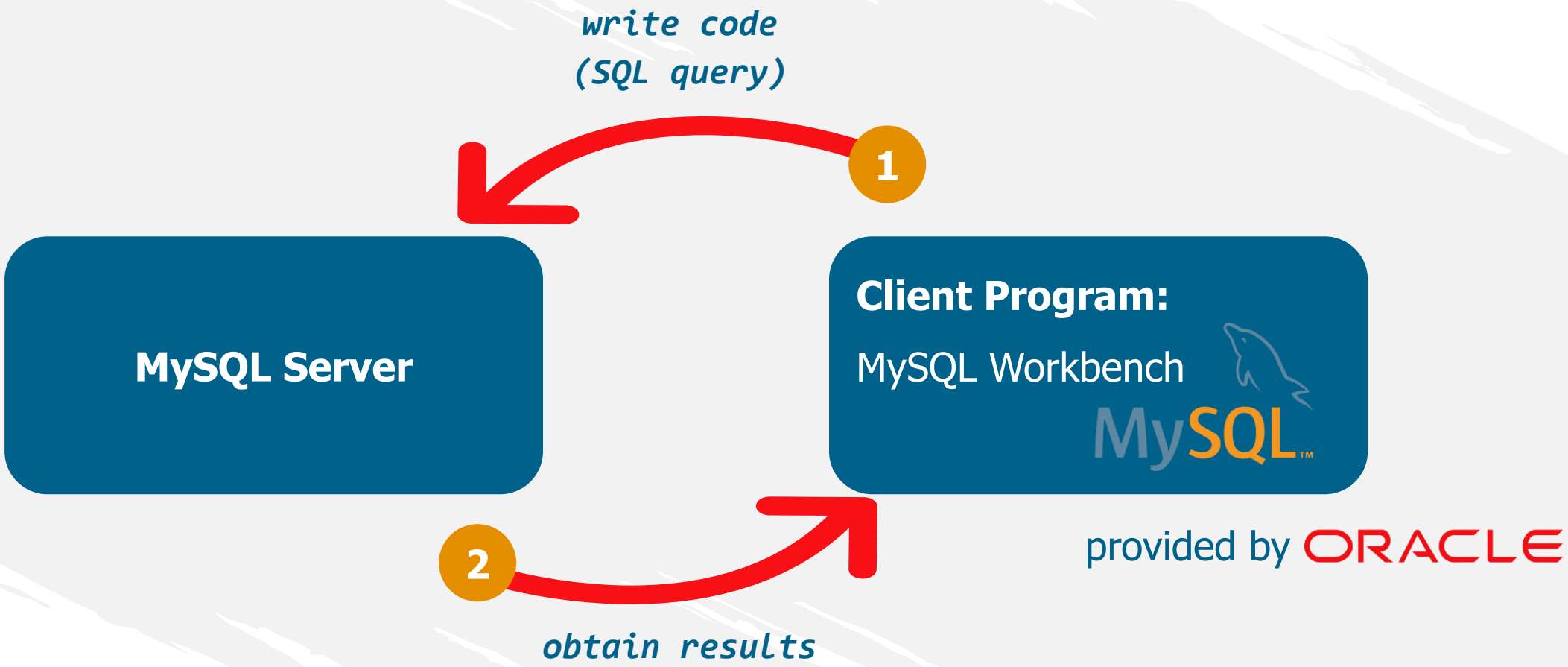


The Client-Server Model

The Client-Server Model

This is a visualization that explains which MySQL features we must install and why.

The Client-Server Model



The Client-Server Model

The program we will be working with in this course is called MySQL Workbench. It is the Oracle visual tool for database design, modelling, creation, manipulation, maintenance, and administration. Professionals refer to this type of software as "Integrated Development Environment" or IDE. So, Workbench will be our IDE.

And, if you wonder what *Oracle* is, this is the software company that owns the MySQL version of SQL.

provided by ORACLE

The Client-Server Model

You could also wonder why we would need a server. Sticking to the basic theory of operation of computer networks, MySQL Workbench acts as a client program – a client of a MySQL Server.

MySQL Server

Client Program:

MySQL Workbench

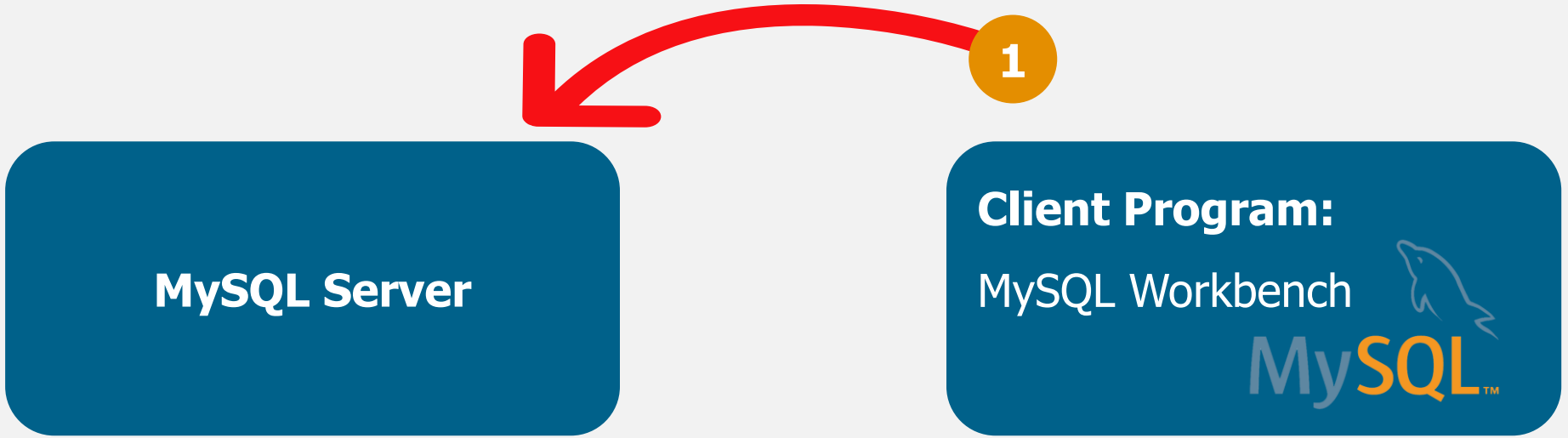
provided by ORACLE

The Client-Server Model

The server is, practically, nothing more than a machine that provides data and services to the same or other computers.

The data could be provided locally or online. Regardless whether the server is installed locally on your computer or is being accessed remotely over the internet from another computer, you will need a Server to use MySQL. In our case, we installed the server locally.

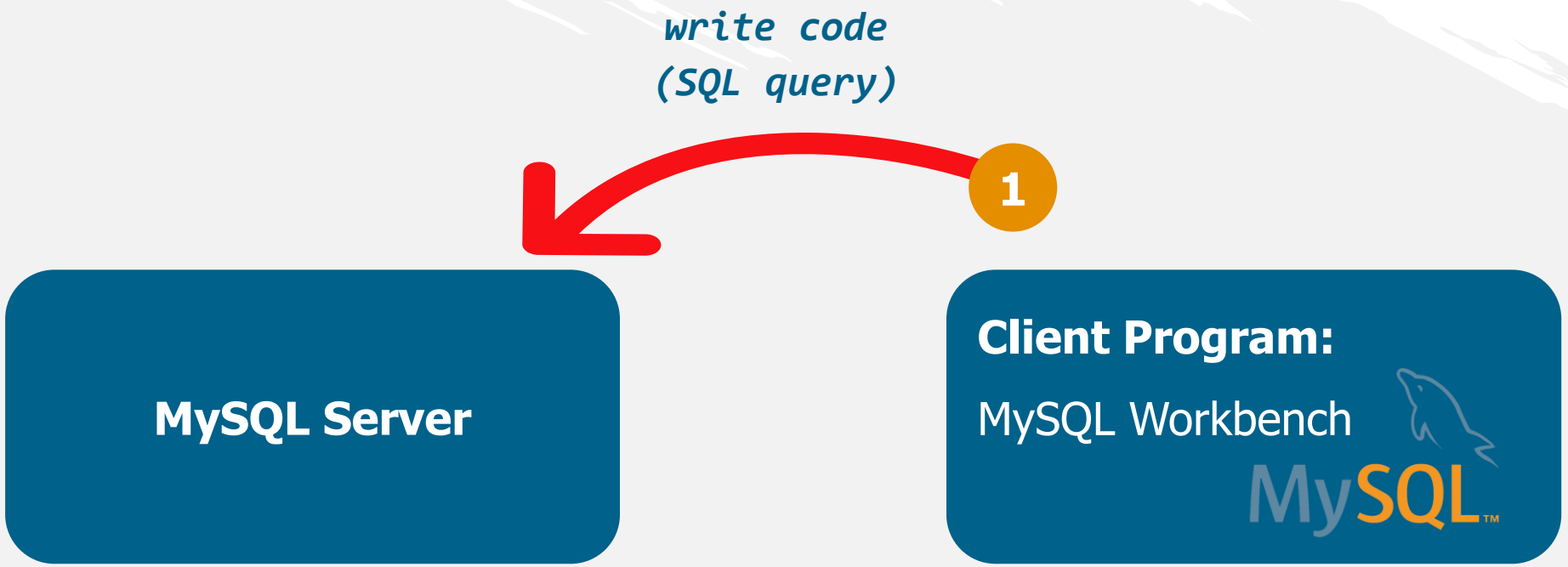
The Client-Server Model



provided by ORACLE

Briefly, the server will perform all calculations and operations you execute in Workbench. You will be writing queries through the Workbench interface, in the form of raw code, which MySQL server understands and processes.

The Client-Server Model

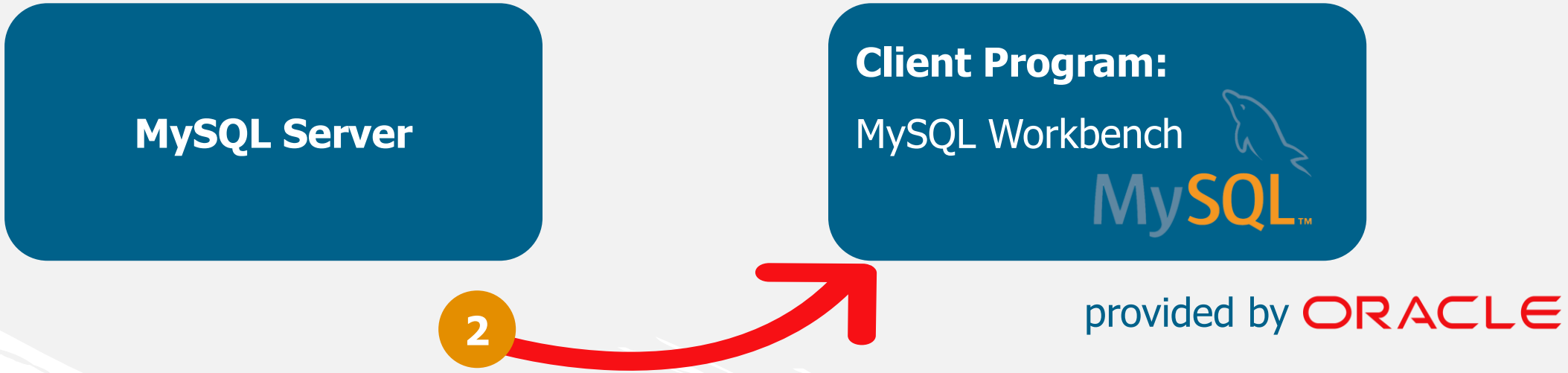


provided by ORACLE

Briefly, the server will perform all calculations and operations you execute in Workbench. You will be writing queries through the Workbench interface, in the form of raw code, which MySQL server understands and processes.

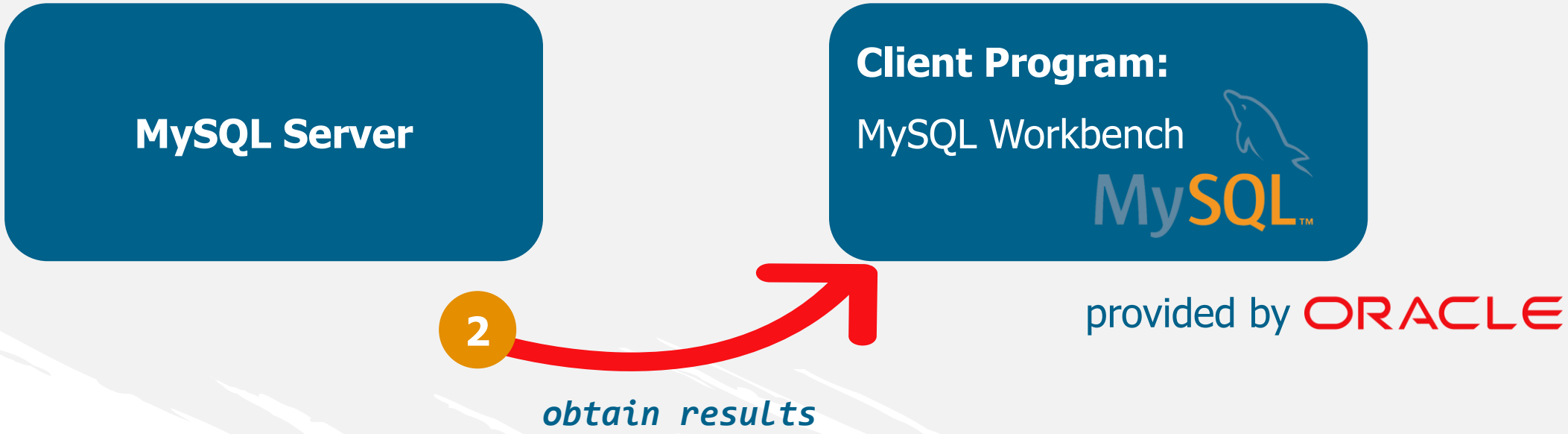
The Client-Server Model

Finally, when it finalizes its calculations, it will bring the respective results back to you in the form of an output displayed on your screen.

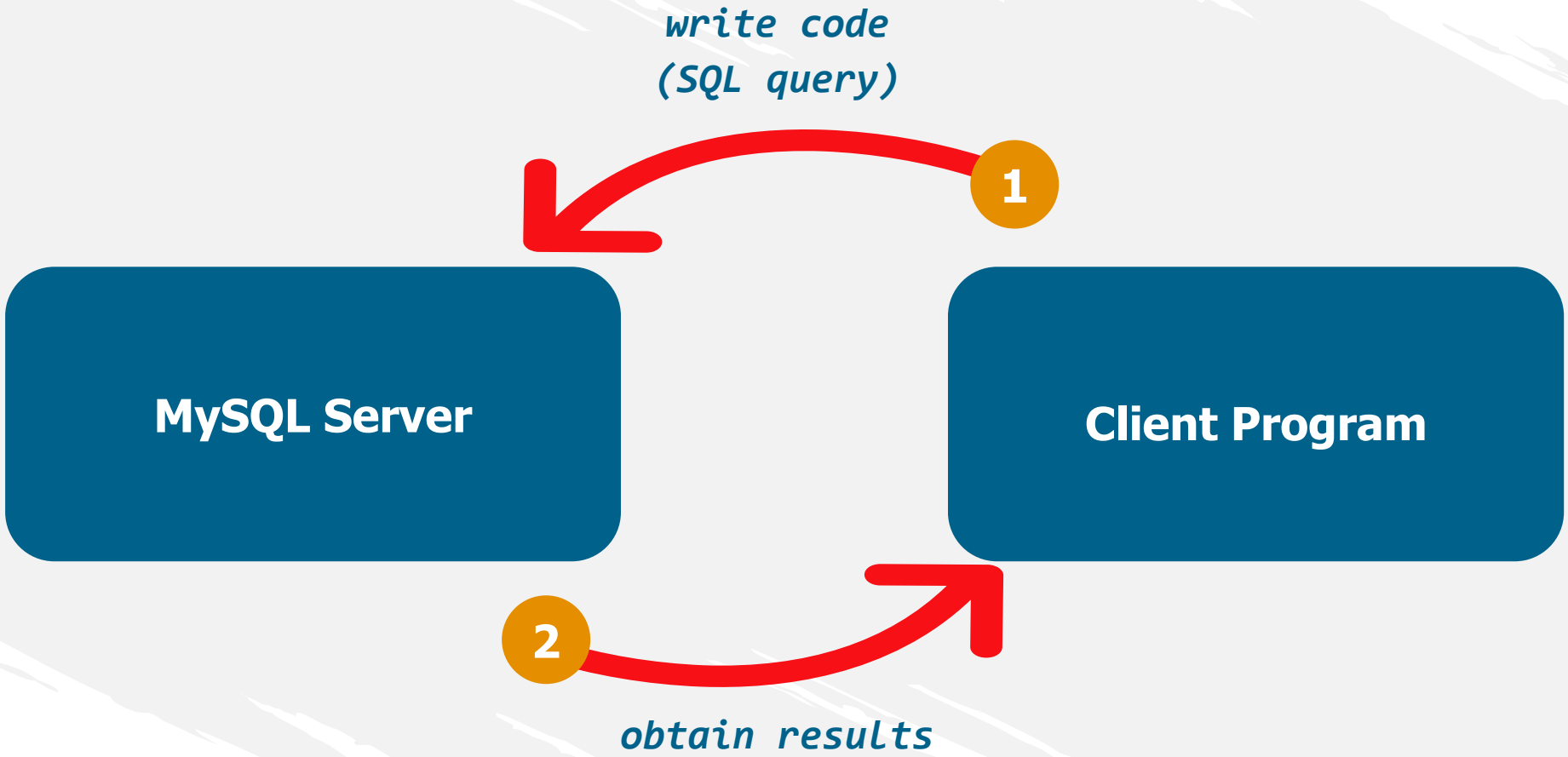


The Client-Server Model

Finally, when it finalizes its calculations, it will bring the respective results back to you in the form of an output displayed on your screen.



The Client-Server Model



The Client-Server Model