

Using Python to Interact with MySQL



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Module Introduction

**Acquiring Server Information
with Python**

**Interacting and Collecting
information from MySQL
server**



Overview



- **MySQL and Python module review**
- **Concepts Demonstration - MySQL**



This module will focus on
accessing a MySQL server



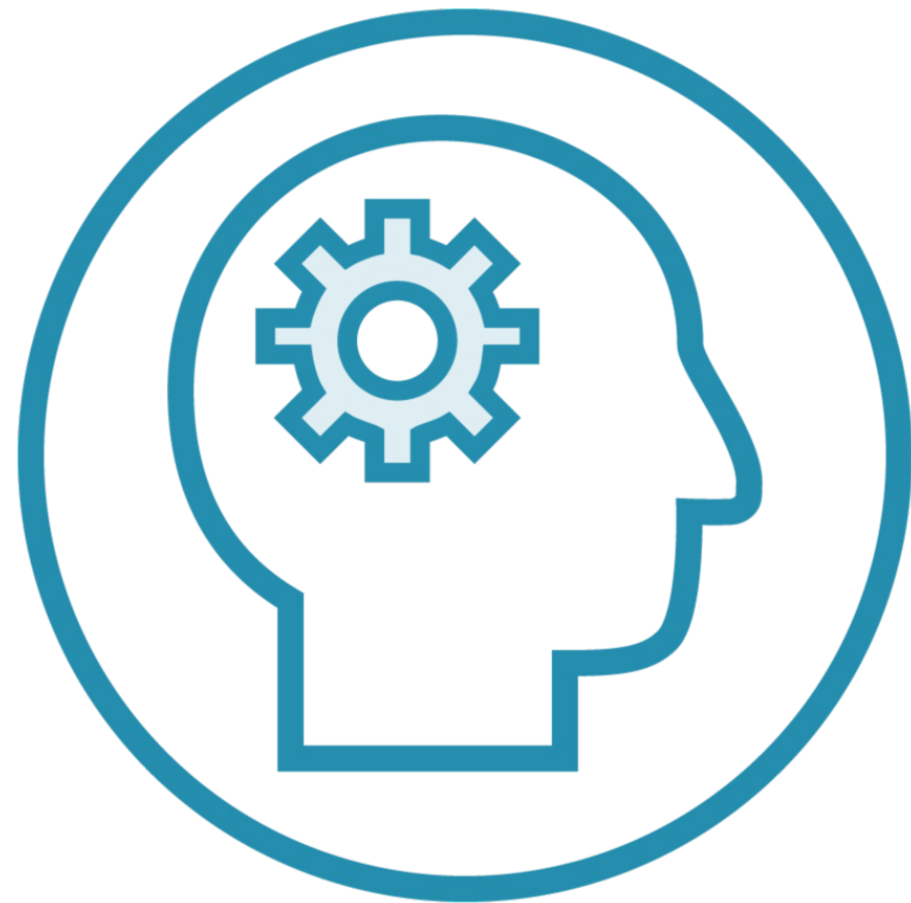
Ready to Move On?

**SQL language
statements are for
specific targeted
information**

**Can be general
information or very
specific**

**Focus on the
basics of
information
collection**





Must have access to correctly communicate

Will use mysql-connector-python module

Installed with python -m pip install command



Next Steps

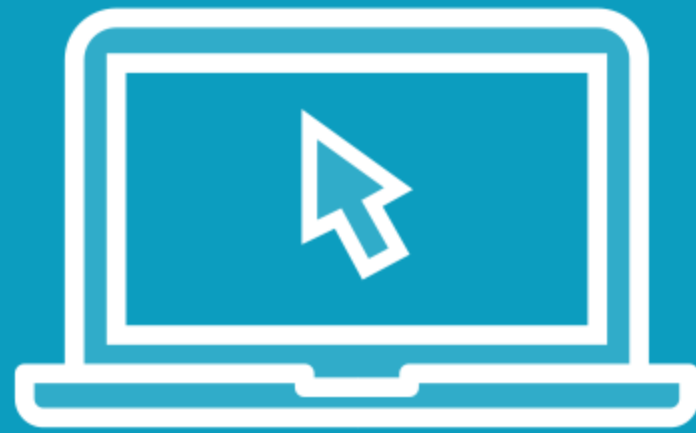
Focus on methods to collect information

Using:

- **mysql-connector-python connect and cursor method**
- **Various SQL statements**



Demo



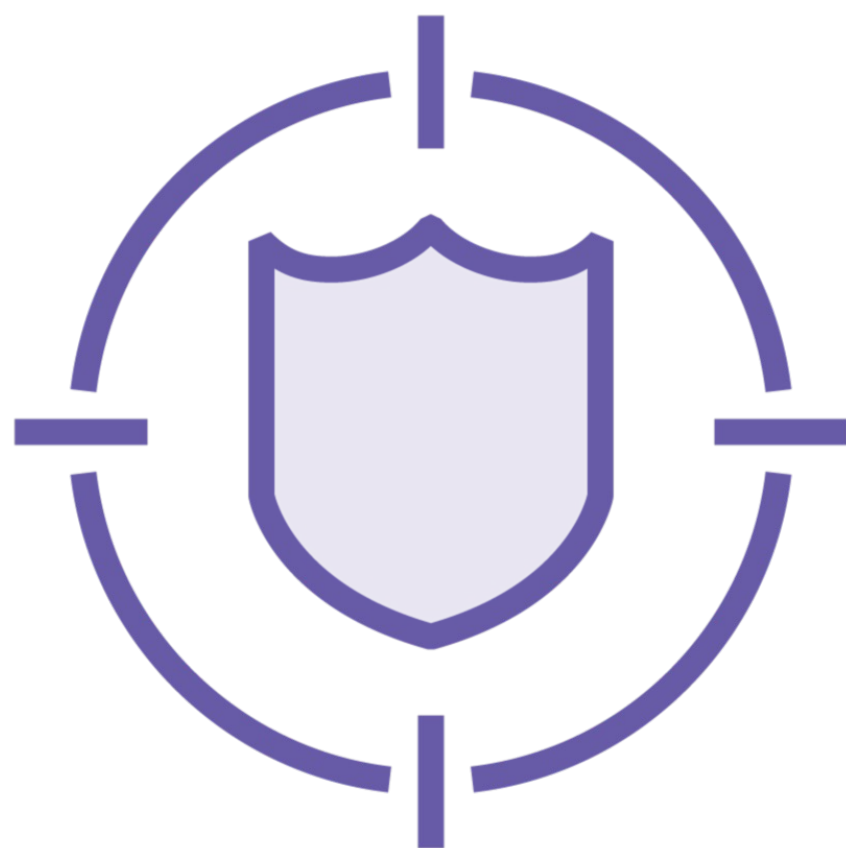
Show how to interact with MySQL server

Including:

- Initial connection
- Table and field structure
- Query examples



Why Do We Care?



Data inside Databases

Some information can be exploited

Real names, phone numbers, ...

Traffic records

Problem Reports

Network information

Can be used in exploitation



Security Engineers Try To..

Defensively:

Try to ensure data is secure

Offensively:

Use weakness as an advantage



Summary



- **MySQL and Python module review**
- **Concepts Demonstration - MySQL**

