# **Installing MySQL**

# **Install MySQL**

* 1. Go to <https://dev.mysql.com/downloads/mysql/>
  2. Download and install the Community version of MySQL Server

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# **Install MySQL Python Connector (if not already installed)**

* 1. <https://dev.mysql.com/downloads/connector/python/>
  2. Download and install **Platform Independent** zip archive
  3. Unzip the file to a directory
  4. Go to that directory using cmd
  5. py -3 setup.py install
  6. Test the code by typing import mysql.connector in IDLE

# **Install MySQL Python Connector for PyCharm**

* 1. Go to Settings and install the repo **mysql-connector**
  2. Test the code by typing import mysql.connector in PyCharm

# **Change Environment Variables to Include MySQL in cmd**

* 1. Go to Start, type “env”
  2. Open **Edit The System Environment Variables**
  3. Click the **Environment Variables** button
  4. Select the **System variable** named **Path**
  5. Add **C:\Program Files\MySQL\MySQL Server 8.0\bin\**

# **MySQL Commands**

# **Opening Root**

* 1. mysql -u root -p
  2. Enter the password used during installation

# **Creating a New Database**

* 1. create database lettersearchlogDB;

# **Creating a User for the Database**

* 1. create user 'lettersearch'@'localhost' identified by 'lettersearchpassword';
  2. grant all privileges on lettersearchlogDB.\* to 'lettersearch'@'localhost';

# **Logging Into the Database from cmd**

* 1. mysql -u lettersearch -p lettersearchlogDB
  2. Enter the password (lettersearchpassword)

# **Creating a New Table**

create table log (-> id int auto\_increment primary key,-> ts timestamp default current\_timestamp,-> phrase varchar(128) not null,-> letters varchar(32) not null,-> ip varchar(16) not null,-> browser\_string varchar(256) not null,-> results varchar(64) not null );

# **Describe the Table**

* 1. Describe log;

# **Insert a New Value**

Insert into log

-> (phrase, letters, ip, browser\_string, results)

-> values

-> ("Choot Pakoda", "choot", "127.0.0.1", "Loda Browser", "{'c','h','o','t'}");

# **Show The Table**

* 1. Select \* from log;

# **Show All Databases**

* 1. show databases;

# **Deleting a Database**

* 1. drop database lettersearchlogDB;

# **Show All Users**

* 1. select user, host FROM mysql.user;

# **Deleting a User**

* 1. drop user lettersearch@localhost