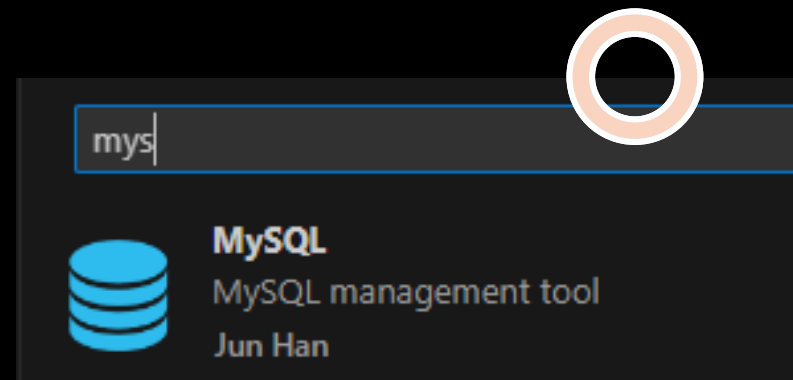


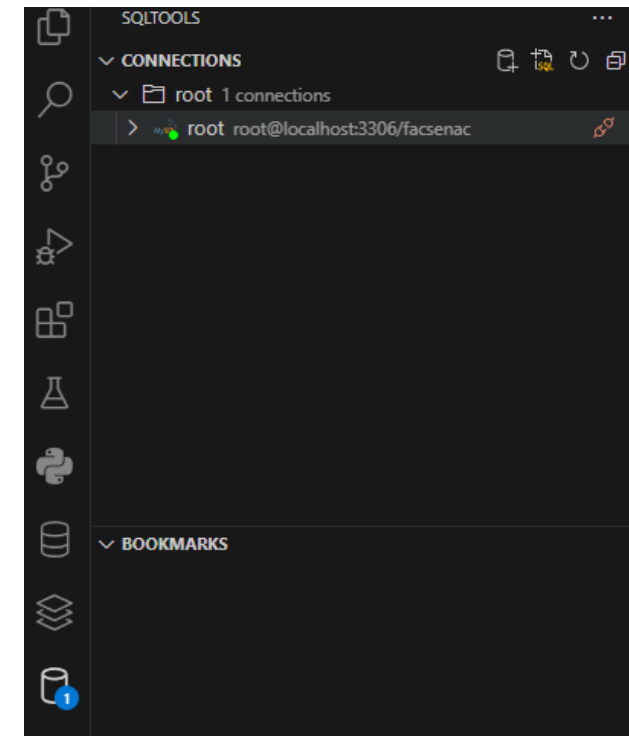
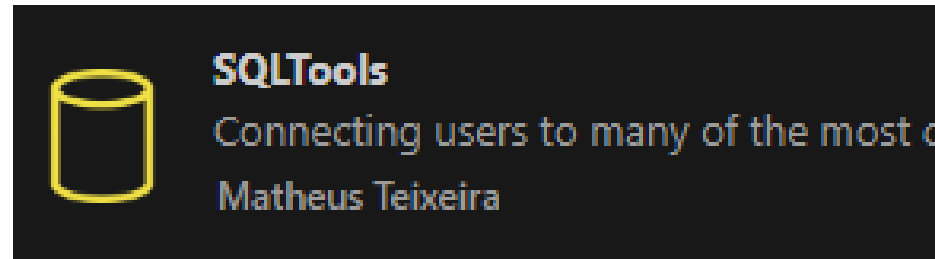
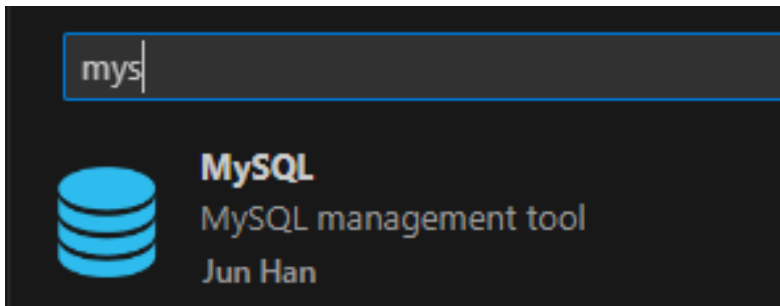
Passo a passo

Crud – Mysql - Vscode



Instalando a extensão no Vs code

- Digite mysql em extensões e depois SQLtools.
- No terminal do Vscode
 - pip --version
- **Instalar o Mysql conector**
 - pip install mysql-connector-python



Para instalar o Workbench + Server

<https://dev.mysql.com/downloads/workbench/>

<https://dev.mysql.com/downloads/installer/>

MySQL Workbench 8.0.38

Select Operating System:

Microsoft Windows

Recommended Download:

MySQL Installer for Windows

All MySQL Products. For All Windows Platforms. In One Package.

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.

Windows (x86, 32 & 64-bit), MySQL Installer MSI

[Go to Download Page >](#)

Other Downloads:

Windows (x86, 64-bit), MSI Installer	8.0.38	41.7M	Download
(mysql-workbench-community-8.0.38-winx64.msi)			
MD5: 30ea58c9f40816566ac4ccd2f136f1e2 Signature			

MySQL Community Downloads

MySQL Installer

[General Availability \(GA\) Releases](#) [Archives](#) [Info](#)

MySQL Installer 8.0.39

Note: MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.

Select Version:

8.0.39

Select Operating System:

Microsoft Windows

Windows (x86, 32-bit), MSI Installer	8.0.39	2.1M	Download
(mysql-installer-web-community-8.0.39.0.msi)			
MD5: d8499da0b2c4b5dfa81a5c5185af9238 Signature			

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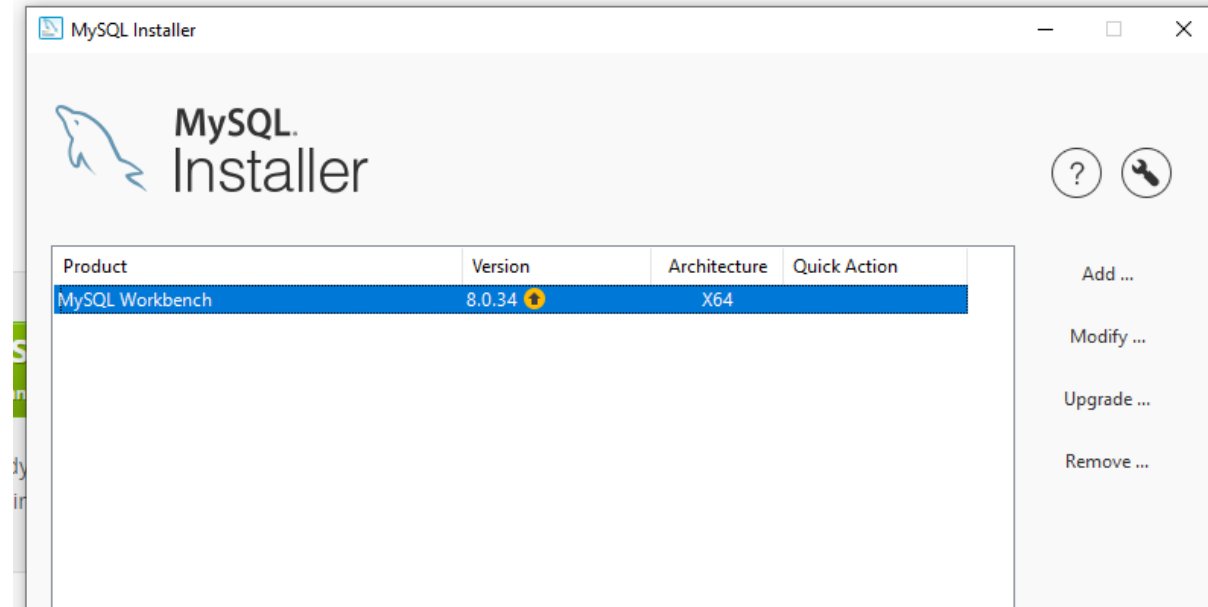
- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system

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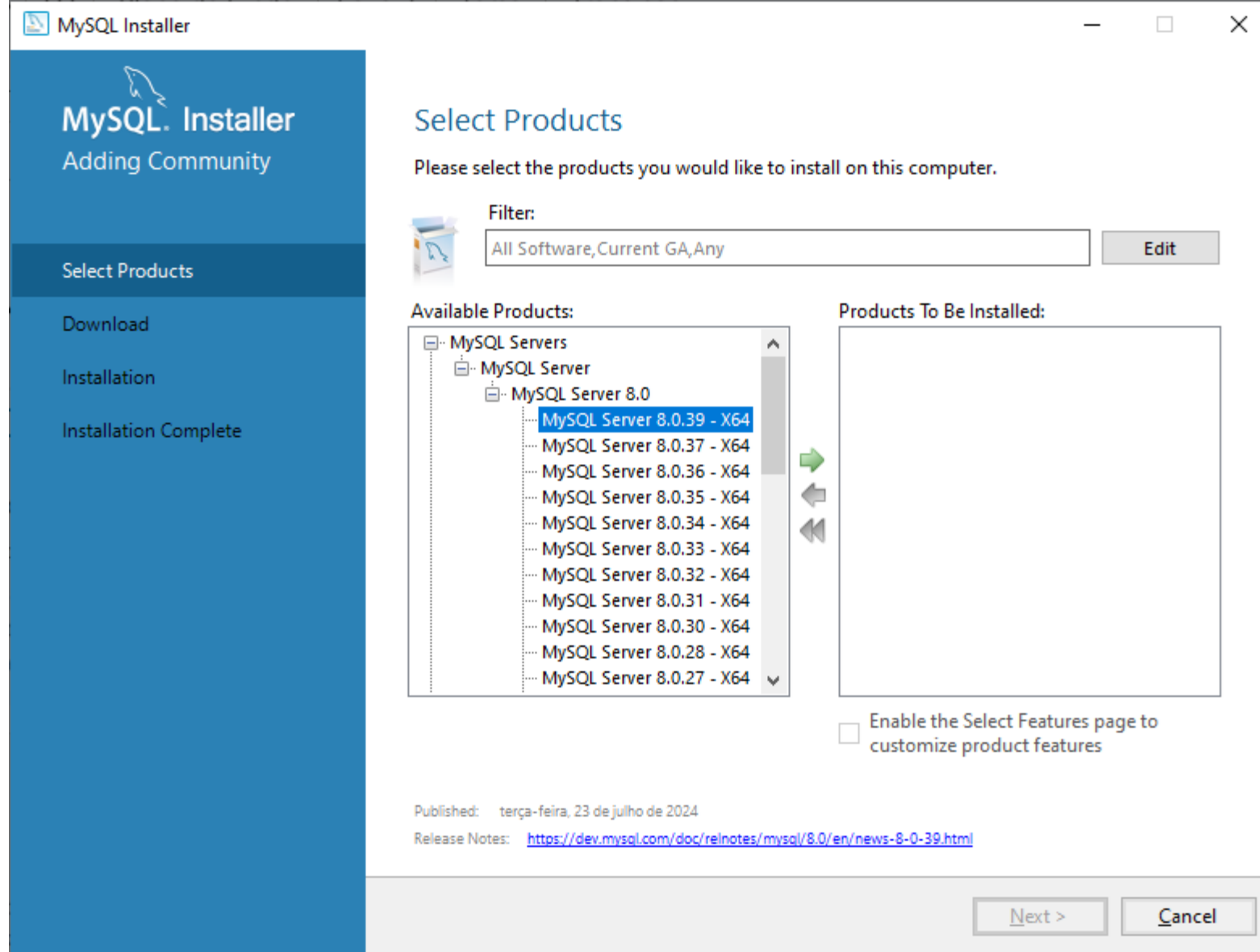
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MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.

No thanks, just start my download.



Clique em Mysql servers até chegar na primeira opção selecionada ao lado e clique na seta verde para adicionar. Next, next, vai pedir uma senha para cadastrar ao acessar o Workbench, next até concluir. Depois de instalado basta adicionar uma instancia local no Workbench.



Caso não deseje instalar o Server, pode ser utilizado outro software para tornar o Pc um servidor, por exemplo o "Xampp"



Welc

MySQL V
create
design an

[Browse Documentation >](#)


MySQL Connections

root

 root

 127.0.0.1:3306

facsenac

 root

 127.0.0.1:3306

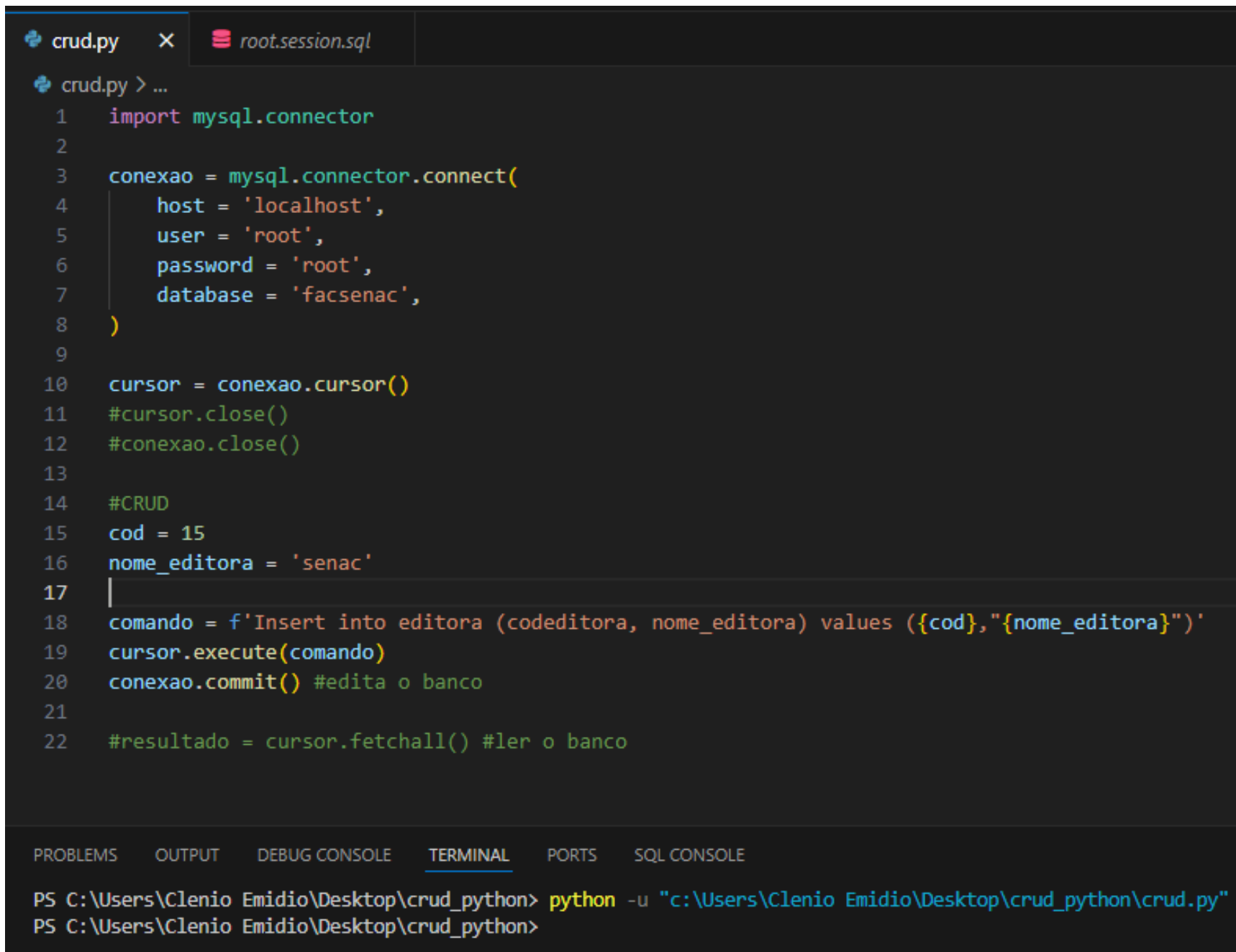
Criar a database

- No Mysql crie um banco de dados, e ao menos uma tabela

```
1 • create database db_senac;
2 • use db_senac;
3
4 • create table usuario(coduser int auto_increment primary key,
5     nome char(30) not null,
6     senha varchar(20) not null,
7     cidade char(30) not null default 'Brasilia');
8
9 • show tables;
10
11 • select * from usuario;
12
13 • insert into usuario values(null,'Arnaldo','senac123',default);
14 • insert into usuario values(null,'fonseca','senac123',default);
15 • insert into usuario values(null,'Jose','senac123','São Paulo');
16 • insert into usuario values(10,'Ana Paula','senac123','Ceilandia');
17 • insert into usuario values(null,'Paula','senac123','Ceilandia');
18
19 • describe usuario;
20 • select * from usuario;
```

```
Query 1  banco inserindo dados  Aula5a* x
1 • create database facsenac
2 • use facsenac
3
4 • create table editora (codeditora int not null primary key,
5     nome_editora varchar (30) not null)
6
7 • create table livro(cod int not null primary key identity,
8     nome_livro varchar (50) not null,
9     autor char (50),
10    codedit int,
11    FOREIGN KEY (codedit) REFERENCES editora (codeditora))
12
13 insert into editora values (10, 'novatech'),(11,'palmer'),(12,'campos'),(13,'moderna')
14
15 insert into livro (nome_livro,autor,codedit) values ('Fahrenheit 51','Alberto Santos', 11),
16 ('lavajato','Joice Hasselman', 12), ('Fantasma da Hopera','John Liber', 12),
17 ('Passanod a limpo','Deltan Dallagnol', 10), ('Voar e a 2. melhor coisa do mundo','Cmte.Dato De Oliveira', 13)
18
19 # PARA CONFERIR
20 select * from editora, livro
```

Criar a conexão e passar um "insert"



The image shows a code editor with two tabs: 'crud.py' and 'root.session.sql'. The 'crud.py' tab is active, displaying a Python script. The script imports the 'mysql.connector' module, establishes a connection to a MySQL database on 'localhost' with user 'root' and password 'root', and connects to the 'facsenac' database. It then creates a cursor, defines variables for a code editor ('cod = 15' and 'nome_editora = 'senac''), and constructs an SQL insert command. The command is executed, and the transaction is committed. The script also includes commented-out lines for closing the cursor and connection, and for fetching the results.

```
crud.py > ...
1  import mysql.connector
2
3  conexao = mysql.connector.connect(
4      host = 'localhost',
5      user = 'root',
6      password = 'root',
7      database = 'facsenac',
8  )
9
10 cursor = conexao.cursor()
11 #cursor.close()
12 #conexao.close()
13
14 #CRUD
15 cod = 15
16 nome_editora = 'senac'
17
18 comando = f'Insert into editora (codeditora, nome_editora) values ({cod},"{nome_editora}")'
19 cursor.execute(comando)
20 conexao.commit() #edita o banco
21
22 #resultado = cursor.fetchall() #ler o banco
```

At the bottom of the editor, there is a terminal window with the following text:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SQL CONSOLE
PS C:\Users\Clenio Emidio\Desktop\crud_python> python -u "c:\Users\Clenio Emidio\Desktop\crud_python\crud.py"
PS C:\Users\Clenio Emidio\Desktop\crud_python>
```


Read

```
crud.py  cruds.py  X  conexao.py  main.py

cruds.py > ...
1  import mysql.connector
2
3  conexao = mysql.connector.connect(
4      host = 'localhost',
5      user = 'root',
6      password = 'root',
7      database = 'facsenac',
8  )
9
10 cursor = conexao.cursor()
11
12 #CRUD
13 #Read
14
15 comando = f'select * from editora'
16 cursor.execute(comando)
17 #conexao.commit() #edita o banco
18
19 resultado = cursor.fetchall() #ler o banco
20 print(resultado)
21 conexao.close()
```

Update

```
crud.py  crudU.py  X  conexao.py  main.py  root.session.sql

crudU.py > ...
1  import mysql.connector
2
3  conexao = mysql.connector.connect(
4      host = 'localhost',
5      user = 'root',
6      password = 'root',
7      database = 'facsenac',
8  )
9
10 cursor = conexao.cursor()
11 |
12 #CRUD
13 #Update
14 nome_editora = "faculdade"
15 codeditora= 17
16 comando = f'update editora set nome_editora = "{nome_editora}" Where codeditora = {codeditora}'
17 #comando = update editora set nome_editora = 'MODERNA' Where codeditora = 13
18 cursor.execute(comando)
19 conexao.commit() #edita o banco
20 cursor.close()
21 conexao.close()
```

Delete

?

```
crud.py  conexao.py X  main.py  root.session.sql

conexao.py > ...
1  import mysql.connector
2
3  def criar_conexao(host, usuario, senha, banco):
4      return mysql.connector.connect(host=host, user=usuario, password=senha,database=banco)
5
6  def fechar_conexao(con):
7      return con.close()
```

```
crud.py  conexao.py  main.py X  root.session.sql

main.py > insere_usuario
1  from conexao import criar_conexao, fechar_conexao
2
3  def insere_usuario(con, cod,nome_editora ):
4      cursor = con.cursor()
5      sql = "Insert into editora (codeditora, nome_editora) values (%s,%s)"
6      valores = (cod, nome_editora)
7      cursor.execute(sql, valores)
8      cursor.close()
9      con.commit()
10
11  def main():
12      con = criar_conexao ("localhost","root","root","facsenac")
13      insere_usuario(con, 16,"Editora Moderna")
14      fechar_conexao(con)
15  if __name__ == "__main__":
16      main()
```

```
PS C:\Users\Clenio Emidio\Desktop\crud_python> python -u "c:\Users\Clenio Emidio\Desktop\crud_python\main.py"
PS C:\Users\Clenio Emidio\Desktop\crud_python> 
```

Criando uma
function

Utilizando o Select (Read do Crud)

função

```
crud.py  conexao.py  main.py  X  root.session.sql
main.py > ...
1  from conexao import criar_conexao, fechar_conexao
2
3  def insere_usuario(con, cod, nome_editora ):
4      cursor = con.cursor()
5      sql = "Insert into editora (codeditora, nome_editora) values (%s,%s)"
6      valores = (cod, nome_editora)
7      cursor.execute(sql, valores)
8      cursor.close()
9      con.commit()
10
11
12  def select_todas_editoras(con):
13      cursor = con.cursor()
14      sql = "Select * from editora"
15      cursor.execute(sql)
16
17      for (codeditora, nome_editora) in cursor:
18          print(codeditora, nome_editora)
19      cursor.close()
20
21  def main():
22      con = criar_conexao ("localhost", "root", "root", "facsenac")
23      #insere_usuario(con, 16, "Editora Moderna")
24      select_todas_editoras(con)
25      fechar_conexao(con)
26
27  if __name__ == "__main__":
28      main()
29
30
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SQL CONSOLE

```
PS C:\Users\Clenio Emidio\Desktop\crud_python> python -u "c:\Users\Clenio Emidio\Desktop\crud_python\main.py"
10 novatech
11 palmer
12 campos
13 moderna
14 Novatec
15 senac
16 Editora Moderna
```

Quando não se reconhece o pip

- <https://dicasdeprogramacao.com.br/resolvido-pip-nao-e-reconhecido-como-um-comando-interno/>
- <https://awari.com.br/instalar-pip-python-aprenda-como-utilizar-essa-poderosa-ferramenta-de-gerenciamento-de-pacotes-no-python/>
- https://www.youtube.com/watch?v=_q3j25ACmQ4&t=190s
- Função
- <https://www.youtube.com/watch?v=licOnN6t-Xs>