EXTRAYENDO INFORMACIÓN DE UNA BBDD

Conectando a una BBDD SQL

```
import mysql.connector
from mysql.connector  import Error

try:
    connection = mysql.connector.connect(host=  'NombreServer',
                                         database=  'dbname',
                                         user=  'dbuser',
                                         password=  'passwd')
if connection.is_connected():
        db_Info = connection.get_server_info()
        print("Connected to MySQL Server version " , db_Info)
        cursor = connection.cursor()
        cursor.execute( "select database();" )
        record = cursor.fetchone()
        print("You're connected to database: " , record)

except Error as e:
    print("Error while connecting to MySQL" , e)
finally:
    if (connection.is_connected()):
        cursor.close()
        connection.close()
        print("MySQL connection is closed" )
```

Insertando datos a una BBDD SQL

```
mySql_insert_query = """INSERT INTO table (col1, col2
,col3,col4) VALUES  (val1,val2,val3,val4) """
cursor = connection.cursor()
result = cursor.execute(mySql_insert_query)
connection.commit()
print("Record inserted")
cursor.close()
```

Eliminando datos a una BBDD SQL

```
sql_Delete_query = """Delete from table where col1=val1"""
cursor.execute(sql_Delete_query)
connection.commit()
print("Record inserted")
cursor.close()
```

UPDATE DATOS A UNA BBDD SQL

```
sql_update_query = """Update table set col1 = val1 where col2 = val3"""
cursor.execute(sql_update_query)
connection.commit()

print("Record updated")
cursor.close()
```

Ejecutando queries a una BBDD SQL

```
sql_select_Query = "select * from table"
cursor = connection.cursor()
cursor.execute(sql_select_Query)
records = cursor.fetchall()
print("Total from table: ", cursor.rowcount)

for row in records:
  print(row)
cursor.close()
connection.close()
```

Ejecutando queries a una BBDD SQL a DataFrame

```
sql_select_Query = "select * from table"
cursor = connection.cursor()
cursor.execute(sql_select_Query)
records = cursor.fetchall()
```

```
from pandas import DataFrame
df = DataFrame(records)
df.columns = cursor.column_names
```

Creamos nuestra bbdd

https://www.db4free.net/

- Crear una bbdd llamada eoitest
- Crear una tabla llamada “bigbang” con campos de nombre, apellido, profesión y edad
- Rellena la tabla con valores
- Crea un programa en python que consulte dicha tabla y te lo devuelva en un dataframe