sqlite

March 21, 2024

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[2]: import sqlite3
     import sqlite3
     def create_connection(db_file):
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               11 11 11
         try:
             connection = sqlite3.connect(db_file)
             return connection
         except sqlite3.Error as e:
             print(e)
         return None
     def create_table(connection):
         nnn = nnn
         try:
             cursor = connection.cursor()
             cursor.execute('''
                 CREATE TABLE IF NOT EXISTS Users (
                     Id INTEGER PRIMARY KEY AUTOINCREMENT,
                     Name TEXT,
                     Age INTEGER
                 );
             111)
             connection.commit()
             print("Table created or already exists.")
         except sqlite3.Error as e:
             print(e)
     def insert_data(connection, name, age):
         nnn = nnn
         try:
             cursor = connection.cursor()
             cursor.execute("INSERT INTO Users (Name, Age) VALUES (?, ?);", (name, L
      ⊶age))
             connection.commit()
             print("Data inserted.")
```

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except sqlite3.Error as e:
       print(e)
def query_data(connection):
    try:
       cursor = connection.cursor()
       cursor.execute("SELECT * FROM Users;")
       rows = cursor.fetchall()
       print("Id\tName\tAge")
       for row in rows:
           print(f"{row[0]}\t{row[1]}\t{row[2]}")
   except sqlite3.Error as e:
       print(e)
def update_data(connection, user_id, name, age):
    nnn = nnn
   try:
        cursor = connection.cursor()
       cursor.execute("UPDATE Users SET Name=?, Age=? WHERE Id=?;", (name, __
 ⇒age, user_id))
       connection.commit()
       print("Data updated.")
   except sqlite3.Error as e:
       print(e)
def delete_data(connection, user_id):
    nnn = nnn
   try:
       cursor = connection.cursor()
       cursor.execute("DELETE FROM Users WHERE Id=?;", (user_id,))
       connection.commit()
       print("Data deleted.")
   except sqlite3.Error as e:
       print(e)
db_file = "sample.db"
connection = create_connection(db_file)
if connection:
   create_table(connection)
```

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#
insert_data(connection, "John Doe", 30)

#
query_data(connection)

#
update_data(connection, 1, "Updated Name", 35)

#
query_data(connection)

#
delete_data(connection, 1)

#
query_data(connection)

#
connection.close()
```

Table created or already exists. Data inserted. Ιd Name Age 2 John Doe 30 Data updated. Ιd Name John Doe 30 Data deleted. Name Age 2 John Doe 30