Overview

- [[Call Level Interfaces]] for dynamic SQL
- similar to [[JDBC]]

Example

```
Establish Connection
                        conn = psycopg2.connect(
                            host="localhost", port="5432",
                            database="db1234567", user=username,
                            password=password)
Execute Statements
                        cur = conn.cursor()
                        cur.execute("INSERT INTO Students VALUES(...)")

    Use local cursors

                        cur.execute("SELECT SID, LName FROM Students")
Process Result Sets
                        students = cur.fetchall()
                        for row in students:
                            print("SID = ", row[0], end = ',')
                            print("Lname = ", row[1])
Execute Prepared
                        cur = conn.cursor()
                        sql = "INSERT INTO Students VALUES(%s, %s)"
  Statements
                         for s in students:
                             cur.execute(sql, (s.getID(),s.getName()))
                        conn.commit()
Execute Callable
                        cur = conn.cursor()
                        cur.callproc("prepStudents", (2019, 2))
  Statement
                        cur.fetchone()
    Result set
    No output parameters
Close Connection
                        cur.close()
                        conn.close()
```