
POWERING
POTENTIAL
Updating
Databases

Inserting new rows

```
import pyodbc
connectionString = r'DRIVER={ODBC Driver 13 for SQL
Server};SERVER=.\SQLExpress;DATABASE=northwind;Trusted_Connection=yes'

sqlStr ="""INSERT INTO company
      (company_no, company_name, tel, county, post_code)
VALUES (5000,'QA','0207 888555','Devon','SE8 5ER')"""
conn = pyodbc.connect(connectionString)
cur = conn.cursor()
cur.execute(sqlStr)

conn.commit()

conn.close()
```

Please note there is no fetch all because there is nothing read.
Also the commit() statement. This is necessary to ensure the insert statement's command is committed/saved.

Changing Row/s

```
import pyodbc

connectionString = r'DRIVER={ODBC Driver 13 for SQL
Server};SERVER=.\SQLExpress;DATABASE=northwind;Trusted_Connection=yes'

sqlStr="""UPDATE company
SET company_name='QA Ltd'
WHERE company_no='5000'
"""
conn = pyodbc.connect(connectionString)
cur = conn.cursor()
cur.execute(sqlStr)

conn.commit()
conn.close()
```

Better with Functions!

```
def updateData(sql):
    conn = pyodbc.connect(connectionString)
    cur = conn.cursor()
    cur.execute(sql)
    conn.commit()
    conn.close()

#------------------Main code -------------------
sqlStr="""UPDATE company
SET company_name='QA Ltd'
WHERE company_no='5000'
"""
updateData(sqlStr)
```

Deleting Row/s

```
import pyodbc
connectionString = r'DRIVER={ODBC Driver 13 for SQL
Server};SERVER=.\SQLExpress;DATABASE=northwind;Trusted_Connection=yes'

sqlStr="""DELETE FROM company
WHERE company_no = 5000
"""
conn = pyodbc.connect(connectionString)
cur = conn.cursor()
cur.execute(sqlStr)

conn.commit()
conn.close()
```

Any Questions?


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Thank you