

Python SQLite Create a New Table Example

To create a table in SQLite using Python, you must follow the below steps-

1. Open connection to the database by calling `connect()` function and obtain `Connection` object.
2. Get `Cursor` object by calling `cursor()` function.
3. Pass `Create Table` statement to `execute()` function.
4. Call `commit()` to save the changes to the database and then call `close()` to close the connection.

Here, we will create AndroidPhones table, whose fields are shown in the below ER diagram-

AndroidPhones	
PK	<u>id: integer</u>
	brand: text
	model: text
	os: text
	cpu: text

```
import sqlite3

conn = sqlite3.connect('mobiledevices.db')
print('Connected to database successfully.')

cur = conn.cursor()
cur.execute("""CREATE TABLE IF NOT EXISTS AndroidPhones (
    id INTEGER NOT NULL,
    brand TEXT,
    model TEXT,
    os TEXT,
    cpu TEXT,
    PRIMARY KEY(`id`)
)""")
print('Table created successfully.')

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

On running the above program, you will get AndroidPhones table.