

Relational database

Must import sqlite3

Create a database/connect to it by:

```
Connection = sqlite3.connect(name.db)
```

To interact w the database, you need a cursor which is made with

```
Cursor = connection.cursor()
```

To make a table of elements:

```
cursor.execute("""CREATE TABLE IF NOT EXIST  
tableName(varName varType keyType, varName2 varType)""") #keytype is not really needed  
unless its a primary key
```

Primary keys are unique to each entry

Foreign keys are integrated from other tables

If there is a foreign key:

```
cursor.execute("""CREATE TABLE IF NOT EXIST  
tableName(varName varType PRIMARY KEY, varName2 varType, FOREIGN KEY(varName2)  
REFERENCES otherTableName(varName2))""")
```

To insert into a database:

```
cursor.execute("INSERT INTO tableName VALUES (val1, val2)")
```

To print the table

```
cursor.execute(SELECT * FROM tableName) #selects all
```

```
N = cursor.fetchall()
```

```
print(N)
```

Update an entry with

```
cursor.execute("UPDATE tableName SET varName=newValue WHERE primaryKeyName =  
value")
```

Make sure to commit and close the connection at the end with

```
connection.commit()
```

```
connection.close()
```