

The data we will be using for our assignment is coming from [veekun's pokedex](#), which is available on github. This data and api is free to use and under the MIT license.

The data is originally stored in multiple comma separated lists, however, the api already converts these lists into an sqlite database, and utilizes [sqlalchemy](#) as an interface to access the data.

Some code utilizing the api is shown below:

```
session = connect()
moves = session.query.tables.Move
moves = moves.join.tables.Move.type
num_moves_with_type = 0
typeCount = {}
for move in moves:
    if not (move.type.identifier in typeCount):
        typeCount[ move.type.identifier ] = 0
    typeCount[move.type.identifier] += 1
print "+-----+"
print "| Type           | Number of Moves|"
print "+=====+"
for type_name in typeCount:
    print "|%s|%s|" % (type_name, typeCount[type_name])
print "+-----+"
```

This creates the following table:

Type	Number of Moves
ghost	18
water	27
shadow	18
electric	27
normal	168
fire	30
psychic	53
flying	23
steel	19
rock	15
ice	21
poison	23
dark	31
fighting	42
dragon	13

fairy	16
grass	37
bug	25
ground	19