Python Data Persistance cheatsheet

Access Modes

```
1. r: read-only
```

2. r+: both read and write

3. w: write-only - overwrites the file

4. w+: both read and write - overwrites the file

5. a: write-only - appends to the file

6. a+: both read and write - appends to the file

Opening a file

```
open(file_name, *access_mode) opens a file
```

```
file = open("my_file.txt", "r")
```

Reading a file

read() reads a files contents readlines() reads the contents as a list (each line is a string in the list)

```
file = open("hello.txt", "r")
contents = file.read()
print(contents)

file = open("people.txt", "r")
lines = file.readlines()
for line in line:
    print(line)
```

Writing a file

write() writes to the file with no accessor mode, will write at the end of the file.

```
file = open('people.txt', 'w')
file.write('Susan')
```

Closing a file

close()

```
file = open('people.txt', 'w')
file.write('Susan\n')
file.close()
```

Context Manager

with python keyword for creating a context manager

```
items = ['apple', 'grapes', 'orange', 'banana']
with open('people.txt', 'w') as items_file:
    for item in items:
       items_file.write(item + '\n')
```