

Use Redis to make a list of capitals

Pts: 50 Due 18th.

from: <https://realpython.com/python-redis/> About $\frac{2}{3}$ the way down has Redis in python examples - the first part is all about how to install Redis. On your virtual Linux system:

Install Redis on your system.

```
$ sudo apt-get install redis
```

If you are working on Windows - then you will need to Follow these instructions

<https://redislabs.com/ebook/appendix-a/a-3-installing-on-windows/a-3-2-installing-redis-on-window/>

On a MacOS system if you want Redis I suggest using "brew" to do the install.

First install brew (if you do not already have it) See the instructions at <https://brew.sh/>

Then in a terminal:

```
$ brew update
$ brew install redis
$ brew services start redis
```

Install the Redis package in python.

```
$ python -m pip install redis
```

Depending on your install of python you may need "python3 -m pip install redis" or "pip install redis".

Write a simple program that takes a dictionary of capitals and saves that into Redis and queries it.

```
#!/bin/python

import redis
r = redis.Redis()           # Connect to redis

r.mset({
    "Bahamas": "Nasau",
```

```
        "Germany": "Berlin",  
    })
```

```
lookup = r.get("Bahamas")  
print ( "Capital of Bahamas {}".format(lookup) )
```

Lookup the capital of at least 2 other countries and add that to your data. I kind of like The Uruguay and Finland.

Turn in a .png/jpg screen capture of running the program and go into redis-cli and use the get command to get one of the countries capitals.