**Part C: Connecting to Redis within Python**

**Step C.1: Redis Installation & Step C.2: Testing Redis**

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**Step C.3: Python Redis Client Installation**

For Jupyter Notebook (from Anaconda/Jupyter Lab):

1. Open your Jupyter Notebook.
2. Create a new notebook or use an existing one.
3. In a code cell, you can install the redis library by running the following command:

!pip install redis

This command will execute shell commands within the notebook.

( \*Redis Already Installed\* )

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**Step C.4: Python Redis Interaction**

// Connect

import redis

redis\_host = "localhost"

redis\_port = 6379

redis\_password = ""

def hello\_redis():

try:

r = redis.StrictRedis(

host=redis\_host, port=redis\_port,

password=redis\_password, db=0, decode\_responses=True

)

r.set("msg:hello", "Hello REDIS!!")

msg = r.get("msg:hello")

print(msg)

r.set("session\_id:1234", "... json file 1 ...")

r.set("session\_id:2345", "... json file 2 ...")

r.set("session\_id:3456", "... json file 3 ...")

msg = r.get("session\_id:2345")

print(msg)

r.mset({"id": "G00000123", "fname": "Susan", "lname":

"Smith", "gpa": "4.0"})

msg = r.get("fname")

print(msg)

r.lpush("active\_users2", "smithj brownt espinosae")

r.rpush("active\_users2", "zekem")

msg = r.lrange("active\_users2", 0, -1)

print(msg)

r.hmset("tweet:3948173705", {'user\_id': 'robert\_brown\_iv',

'content': "Four score and seven..."})

msg = r.hgetall("tweet:3948173705")

print(msg)

except Exception as e:

print(e)

if \_\_name\_\_ == '\_\_main\_\_':

hello\_redis()

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