6.107 Installing Celery

```
pip install -U "celery[redis]==5.0.5
pip install redis==3.5.3
pip install Pillow==7.2.0
sudo apt-get install redis

/etc/init.d/redis-server start
/usr/local/bin/redis-server
```

6.109 Simple Celery Example

```
mkdir simple_celery
cd simple_celery
touch simple_task.py
```

simple_task.py
```
from celery import Celery
import time
import random

app = Celery('simple_task', broker='redis://localhost/', backend=
'redis://localhost/')


@app.task
def wait():
    wait_time = random.random() * 5
    time.sleep(wait_time)
    return "I waited for "+str(wait_time)+" seconds"
```

terminal 2
```
cd topic6/simple_celery
export C_FORCE_ROOT=True
celery -A simple_task worker –loglevel=info
```

terminal 3
```
cd topic6/simple_celery
python

from simple_task import wait
wait.delay()
result = wait.delay()
result.state
```

simple_task.py
```
@app.task
def greater_than(x, y):
    if x > y:
        return x
    else:
        return y
```

terminal 3
```
from simple_task import greater_than
result = greater_than.delay(12, 14)
result.get()
```