

Quiz 5

1. **(2pts)** How do you start the debugger within your program?

```
import pdb

pdb.set_trace()
```

2. **(2pts)** Are compute-bound programs parallelizable in Python?

No

3. **(4pts)** Change the code snippet below so that condition variables are no longer used. You may still use other concurrency mechanisms like Locks and Events.

```
lock = threading.Lock()
evt = threading.Event()

# Consume one item
lock.acquire()
while not an_item_is_available():
    evt.wait()
get_an_available_item()
lock.release()

# Produce one item
lock.acquire()
make_an_item_available()
evt.set()
lock.release()
```