```
Creating and Terminating Threads

int pthread_create(
    pthread_t* thread,
    const pthread_attr_t* attr,
    void* (*start_routine)(void*),
    void* arg);

Creates a new thread into *thread, with attributes *attr
(NULL means default attributes)

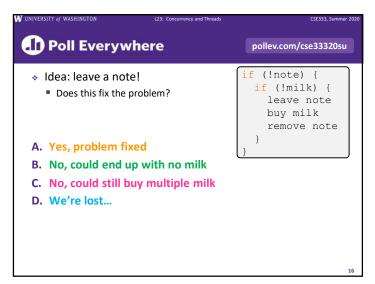
Returns 0 on success and an error number on error (can check against error constants)

The new thread runs start_routine(arg)

void pthread_exit(void* retval);

Equivalent of exit(retval); for a thread instead of a process

The thread will automatically exit once it returns from start_routine()
```



What To Do After Forking Threads?

* int pthread_join(pthread_t thread, void** retval);

• Waits for the thread specified by thread to terminate

• The thread equivalent of waitpid()

• The exit status of the terminated thread is placed in **retval

* int pthread_detach(pthread_t thread);

• Mark thread specified by thread as detached - it will clean up its resources as soon as it terminates