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CS 214 Pthread Recitation
pthread_create
pthread_join
pthread_exit
#include <pthread.h>
int pthread_create(pthread_t *thread,
  pthread_attr_t *attr,
  void *(*start routine) (void *),
  void *arg);
int pthread join(pthread t thread, void **retval);
void pthread_exit(void *retval);
    Compile and link with -pthread.
#1 My program calls pthread_create twice. How many stacks does my
process have?
#2 What is the difference between a process and a thread?
#3 What does pthread_cancel do?
and are there alternatives?
#4 Differences between exit() and pthread_exit()?
..so why would you call pthread_exit in your main method? #6 Give four ways that a thread can be terminated
```

#9 Why are some functions e.g. asctime, getenv, strtok, strerror not thread-safe?

```
char* to_message(int num) {
char static result [256];
if (num < 1000)
sprintf(result, "%d : blah blah" , num);
else strcpy(result, "Unknown");
return result;
}
```

#10. What are condition variables, semaphores, mutexes?

#11. Advantages of threads over forking processes?

#12. Can you fork a process with multiple threads?

#13. Examples of why you might fork processes instead of using threads