

























































```
#include 
#include <addio.h>
#include <addio.h>
#define NUM_THREADS 5
int main(int argc, char *argv[]) {
    int i, scope;
    pthread_t tid(NUM THREADS);
    pthread_attr_t attr;
    /* get the default attributes */
    pthread_attr_init(&attr);
    /* first inquire on the current scope */
    if (pthread_attr_getscope(&attr, &scope) != 0)
        fprintf(stderr, "Unable to get scheduling scope\n");
    else {
        if (scope == PTHREAD_SCOPE_PROCESS)
            printf(*PTHREAD_SCOPE_PROCESS');
        elae if (scope == PTHREAD_SCOPE_SYSTEM)
            printf(*PTHREAD_SCOPE_SYSTEM');
        else
            fprintf(stderr, "Illegal scope value.\n");
    }
Operating System Concepts - 9* Edition 6.30

**Silberschatz, GasVin and Gague C2013
```

```
Pthread Scheduling API

/* set the scheduling algorithm to PCS or SCS */
pthread_attr_setscope(&attr, PTHREAD_SCOPE_SYSTEM);
/* create the threads */
for (i = 0; i < NUM_THREADS; i++)
pthread_create(&tidi(i), &attr, runner, NULL);
/* now join on each thread */
for (i = 0; i < NUM_THREADS; i++)
pthread_join(tid[i], NULL);
}

/* Each thread will begin control in this function */
void *runner(void *param)
{
    /* do some work ... */
pthread_exit(0);
}

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```







































































