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#include <pthread.h>
#include <stdio.h>
#include <stdlib.h>
#define NUM_THREADS 6

//Threads method, takes in parameter of threadid
void *PrintHello(void *threadid) {

    printf("\n%d: Hello World!\n", threadid);
    pthread_exit(NULL);
}

int main (int argc, const char * argv[]) {

    //Array of pthreads
    pthread_t threads[NUM_THREADS];
    int rc,t;

    //Create pthreads
    for (t=0;t<NUM_THREADS;t++) {

        printf("Creating thread %d\n",t);

        //Create respective thread
        rc = pthread_create(&threads[t], NULL, PrintHello, (void *)t);

        if (rc) {
            printf("ERROR return code from pthread_create(): %d\n",rc);
            exit(-1);
        }
    }

    //Wait for threads to exit
    for(t=0;t<NUM_THREADS;t++) {
        pthread_join( threads[t], NULL);
    }

    return(0);
}

```