Algorithms Review for Job Interview

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    Begin to review for job Interview

  • test code
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```

#include <pthread.h> #include <stdlib.h>

```
#include <stdio.h>
#define SIZE 8 // Size by SIZE matrices
using namespace std;
int main(int argc, char* argv[]) { // sampel mark for 中文是可以的
   pthread_t* thread; // pointer to a group of threads
   int i;
   if (argc!=2) {
        printf("Usage: %s number_of_threads\n",argv[0]);
        exit(-1);
   }
   num_thrd = atoi(argv[1]);
   printf("num_thrd: %d\n", num_thrd);
   init_matrix(A);
   printf("\n");
   init_matrix(B);
   thread = (pthread_t*) malloc(num_thrd*sizeof(pthread_t));
   for (i = 1; i < num_thrd; i++) {</pre>
        //printf("address i: %d\n", i);
        int rc = pthread_create(&thread[i], NULL, multiply, &idx[i]);
        if (rc != 0) {
            perror("Can't create thread");
            free(thread);
            exit(-1);
        }
   }
   // main thread works on slice 0
    // so everybody is busy
   // main thread does everything if threadd number is specified as 1
   //int. tmp = 0:
```