## `i++` can go wrong!

```c
static int glob = 0;

static void *threadFunc(void *arg) /* loop 'arg' times */
{
  int j;
  for (j = 0; j < *((int *) arg); j++) glob++; /* not atomic! */
  return NULL;
}

int main(int argc, char *argv[])
{
  pthread_t t1, t2;
  int loops;

  loops = (argc > 1) ? atoi(argv[1]) : 10000000;

  if( pthread_create(&t1, NULL, threadFunc, &loops) != 0 ){}

  if( pthread_create(&t2, NULL, threadFunc, &loops) != 0 ){}

  if( pthread_join(t1, NULL) != 0 ){}

  if( pthread_join(t2, NULL) != 0 ){}

  printf("glob = %d\n", glob);
  exit(EXIT_SUCCESS);
}
```