# Advanced Unix programming – Quiz8

## Time limit: 12 minutes

1. (2 points) Let us assume that we want a function, say *void f(void)*, to be called by only one thread. Which *pthreads* function is used to ensure this?

   `pthread_once`

2. (4 points) Declare a variable that can be used to store the "key" for thread-specific data, and then write a statement that will create a key, and set the "destructor" for that key to a function, $f$.

   ```
   pthread_key_t key;

   pthread_key_create(&key, f);
   ```

3. (2 points) Which *pthreads* function is used by each thread to associate a particular memory location with a particular key?

   `pthread_setspecific`

4. (2 points) Which *pthreads* function is used by each thread to fetch the memory location associated with a particular key?

   `pthread_getspecific`