Exp:19

Code:

#include <stdio.h>

#include <pthread.h>

int counter = 0;

pthread\_mutex\_t mutex;

void\*threadFunction(void \*arg) {

int i;

for (i = 0; i < 1000000; ++i) { }

return NULL;

}

int main() {

pthread\_mutex\_init(&mutex,

NULL); pthread\_t thread1,thread2;

pthread\_create(&thread1, NULL, threadFunction, NULL);

pthread\_create(&thread2,NULL, threadFunction, NULL);

pthread\_join(thread1,

NULL);

pthread\_join(thread2,

NULL);

pthread\_mutex\_destroy(&mutex);

printf("Final counter value: %d\n",counter);

return 0;

}

Output:

