30. Write C programs to demonstrate the following thread related concepts.

(i) create (ii) join (iii) equal (iv) exit

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

void* threadFunc(void* arg) {
   printf("Inside thread function. Thread ID: %lu\n", pthread_self());
   pthread_exit(NULL);
}

int main() {
   pthread_t t1, t2;

   if (pthread_create(&t1, NULL, threadFunc, NULL) != 0) {
      printf("Failed to create thread 1\n");
      return 1;
   }

   if (pthread_create(&t2, NULL, threadFunc, NULL) != 0) {
      printf("Failed to create thread 2\n");
      return 1;
   }

   pthread_join(t1, NULL);
   pthread_join(t2, NULL);
```

```
    if (pthread_equal(t1, t2))
        printf("Threads are equal.\n");
    else
        printf("Threads are NOT equal.\n");
    printf("Main thread completed.\n");
    pthread_exit(NULL);
}
```

OUTPUT-