11. Illustrate the concept of multithreading using a C program.

PROGRAM :

```c
#include <stdio.h>
#include <pthread.h>
void* threadFunction(void* arg) {
char* message = (char*)arg; printf("%s\n", message);
return NULL;
}
int main() {
pthread_t thread1, thread2;
char* message1 = "Hello from Thread 1!";
char* message2 = "Hello from Thread 2!";
// Create threads
pthread_create(&thread1, NULL, threadFunction, (void*)message1);
pthread_create(&thread2, NULL, threadFunction, (void*)message2);
// Wait for threads to complete
pthread_join(thread1, NULL);
pthread_join(thread2, NULL);
return 0;
}
```

OUTPUT :