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

**Aim**: To demonstrate creating and terminating threads using pthread library.  
**Algorithm**:

1. Include the necessary libraries.
2. Define a thread function.
3. Create threads using pthread\_create.
4. Wait for the thread to complete using pthread\_join.
5. Terminate the thread.

**Code:**

### #include <pthread.h>

### #include <stdio.h>

### #include <stdlib.h>

### void\* thread\_function(void\* arg) {

### printf("Thread running...\n");

### return NULL;

### }

### int main() {

### pthread\_t thread;

### pthread\_create(&thread, NULL, thread\_function, NULL);

### pthread\_join(thread, NULL);

### printf("Thread terminated.\n");

### return 0;

### }

**Output:**

