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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:

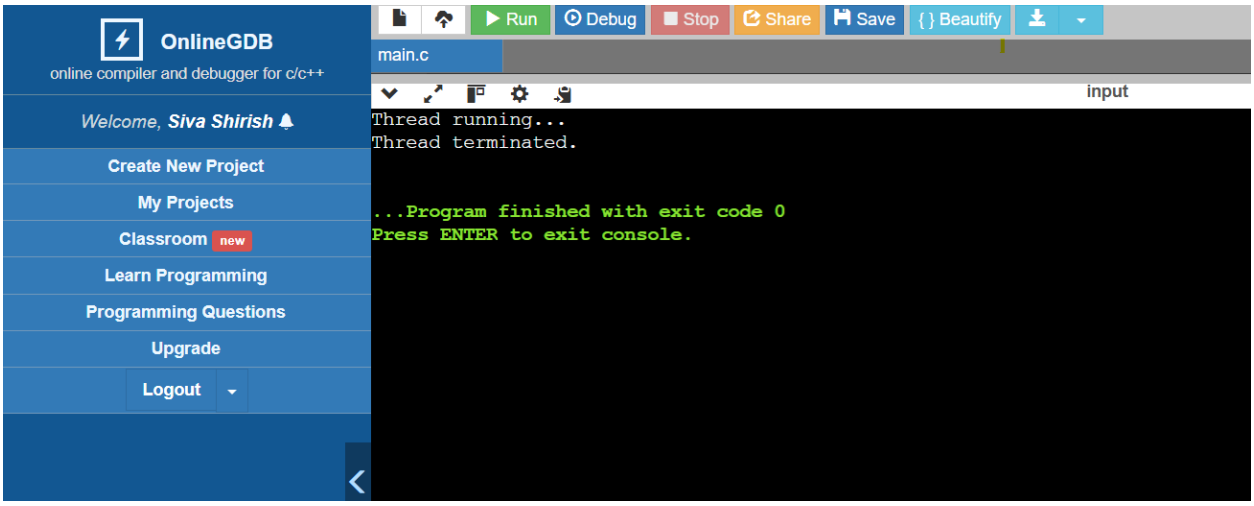
1. Include the necessary libraries.
2. Define a thread function.
3. Create threads using `pthread_create`.
4. Wait for the thread to complete using `pthread_join`.
5. Terminate the thread.

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:


OnlineGDB
online compiler and debugger for c/c++
Welcome, Siva Shirish
Create New Project
My Projects
Classroom new
Learn Programming
Programming Questions
Upgrade
Logout
Run
Debug
Stop
Share
Save
{ } Beautify
main.c
input
Thread running...
Thread terminated.
...Program finished with exit code 0
Press ENTER to exit console.