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ROLL NUMBER:DT-22005
LAB:03

1) Implement the above code and paste the screenshot of the output.

```
0
1
2
3
0
1
2
3
Thread 1 returns: 0
Thread 2 returns: 0

-----
Process exited after 0.1246 seconds with return value 0
Press any key to continue . . .
```

2) Describe the following line of code:

```
iret1 = pthread_create( &thread1, NULL, print_message_function, (void*)
message1);
```

EXPLANATION:

- **pthread_create**: Creates a new thread.
- **&thread1**: Stores the new thread's info in **thread1**.
- **NULL**: Uses default thread attributes.
- **print_message_function**: Function to be run by the new thread.
- **(void*) message1**: Passes **message1** as an argument to the thread function (casting it to **void***).

The result (0 for success or error code) is stored in **iret1**.