8. Illustrate the concept of multithreading using a C program

PROGRAM

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <pthread.h>

int g = 0;

void \*myThreadFun(void \*vargp)

{

int \*myid = (int \*)vargp;

static int s = 0;

++s; ++g;

printf("Thread ID: %d, Static: %d, Global: %d\n", \*myid, ++s, ++g);

}

int main()

{

int i;

pthread\_t tid;

for (i = 0; i < 3; i++)

pthread\_create(&tid, NULL, myThreadFun, (void \*)&tid);

pthread\_exit(NULL);

return 0;

}

Input And Output



