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#include <stdio.h>
#include <sys/types.h>
#include <stdlib.h>
#include <iostream>
#include <string>
#include <sstream>
#include <ctime>
#include <unistd.h>

using namespace std;

#define TRACEPOINT_DEFINE
#define TRACEPOINT_PROBE_DYNAMIC_LINKAGE
#include "your_domain_name.h"

void MainProcess(int TimeToLoop, bool PrintFlag);

int main(int argc, char **argv)
{
    pid_t pid;
    int LoopTime;
    bool PrintFlag;

    /*******
    // Identify loop time
    /*******
    if (argc == 1)
    {
        LoopTime = 1000; // By default this program will run 1000 sec
        PrintFlag = false; // By default there is no print output
    }
    else if (argc == 2)
    {
        LoopTime = atoi(argv[1]);
        PrintFlag = true;
    }
    else if (argc == 3)
    {
        LoopTime = atoi(argv[1]);
        PrintFlag = false;
    }
    else
    {
        cout << "\n\n Usage: tracedemo <num_of_sec_to_run> [np] \n\n";
        cout << "     eg: tracedemo 5000 (will run for 5000 sec, with print info)\n";
        cout << "     tracedemo 5000 np (will run for 5000 sec, without print info)\n\n";
    }
}

```

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    return 1;
}

MainProcess(LoopTime, PrintFlag);
return 0;
}

void MainProcess(int TimeToLoop, bool PrintFlag)
{
    int Secs;
    int my_int = 1;
    char* my_string = "Hello trace!";
    float Pi_Value = 3.14;
    long LongArray[] = {1, 2, 3, 4, 5};
    if (PrintFlag) cout << "*** Main process: " << getpid() << "\n";
    for (Secs=0; Secs < TimeToLoop; Secs++)
    {
        tracepoint(your_domain_name, your_event_name, my_string, my_int, LongArray,
Pi_Value);

        usleep(1000000);
    }
    cout << "*** Main process has finished ***\n";
}

```