

```

#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";
        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,
```