1.

#include <stdio.h>

#include <Windows.h>

#include <stdlib.h>

#include <tchar.h>

IMAGE\_DOS\_HEADER DOS\_HEADER;

int \_tmain(int argc, \_TCHAR\* argv[]){

FILE\* pfile;

errno\_t error;

if ((error = fopen\_s(&pfile, "C:/EmptyProject1.exe", "r")) != 0)

{

printf("無法開啟文件");

getchar();

}

else {

fread(&DOS\_HEADER, sizeof(struct \_IMAGE\_DOS\_HEADER), 1, pfile);

if (DOS\_HEADER.e\_magic == 0x5a4d) {

printf("這是對MZ頭的判斷，這是PE文件");

}

else {

printf("這是對MZ頭的判斷，這不是PE文件");

}

}

system("pause");

return 0;

}

2.

#include <stdio.h>

#include <Windows.h>

#include <stdlib.h>

#include <tchar.h>

IMAGE\_DOS\_HEADER DOS\_HEADER;

IMAGE\_NT\_HEADERS NT\_HEADERS;

int \_tmain(int argc, \_TCHAR\* argv[]){

FILE\* pfile;

errno\_t error;

if ((error = fopen\_s(&pfile, "C:/EmptyProject1.exe", "r")) != 0)

{

printf("無法開啟文件");

getchar();

}

else {

fread(&DOS\_HEADER, sizeof(struct \_IMAGE\_DOS\_HEADER), 1, pfile);

fseek(pfile, DOS\_HEADER.e\_lfanew, 0);

fread(&NT\_HEADERS, sizeof(struct \_IMAGE\_NT\_HEADERS), 1, pfile);

if (NT\_HEADERS.Signature == 0x00004550) {

printf("這是對PE標誌的判斷，這是PE文件");

}

else {

printf("這是對PE標誌的判斷，這不是PE文件");

}

}

system("pause");

return 0;

}

3.

#include <stdio.h>

#include <Windows.h>

#include <stdlib.h>

#include <tchar.h>

IMAGE\_DOS\_HEADER DOS\_HEADER;

int \_tmain(int argc, \_TCHAR\* argv[]) {

HANDLE hFile = CreateFile("C:/EmptyProject1.exe", GENERIC\_READ,

FILE\_SHARE\_READ, NULL, OPEN\_EXISTING, FILE\_ATTRIBUTE\_NORMAL, NULL);

ReadFile(hFile, &DOS\_HEADER, sizeof(DOS\_HEADER), NULL, NULL);

if (DOS\_HEADER.e\_magic == 0x5a4d) {

printf("這是對MZ頭的判斷，這是PE文件\n");

}

else {

printf("這是對MZ頭的判斷，這不是PE文件\n");

}

system("pause");

return 0;

}

4.

#include <stdio.h>

#include <Windows.h>

#include <stdlib.h>

#include <tchar.h>

IMAGE\_DOS\_HEADER DOS\_HEADER;

IMAGE\_NT\_HEADERS NT\_HEADERS;

int \_tmain(int argc, \_TCHAR\* argv[]) {

HANDLE hFile = CreateFile("C:/EmptyProject1.exe", GENERIC\_READ,

FILE\_SHARE\_READ, NULL, OPEN\_EXISTING, FILE\_ATTRIBUTE\_NORMAL, NULL);

ReadFile(hFile, &DOS\_HEADER, sizeof(DOS\_HEADER), NULL, NULL);

SetFilePointer(hFile, DOS\_HEADER.e\_lfanew, NULL, FILE\_BEGIN);

ReadFile(hFile, &NT\_HEADERS, sizeof(NT\_HEADERS), NULL, NULL);

if (NT\_HEADERS.Signature == 0x00004550) {

printf("這是對PE標誌的判斷，這是PE文件");

}

else {

printf("這是對PE標誌的判斷，這不是PE文件");

}

system("pause");

return 0;

}