

Operációs rendszerek BSc

X. Gyak.

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Készítette:

Danyi Kristóf Bsc

Mérnökinformatika

Neptunkód GQOKMW

Miskolc, 2022

1.feladat –

a)

```
Parancssor

C:\Users\Kristóf\GQOKMW\bokor>md mogyoro
C:\Users\Kristóf\GQOKMW\bokor>md barack
C:\Users\Kristóf\GQOKMW\bokor>cd..
C:\Users\Kristóf\GQOKMW>cd fa
C:\Users\Kristóf\GQOKMW\fa>md korte
C:\Users\Kristóf\GQOKMW\fa>cd..
C:\Users\Kristóf\GQOKMW>cd land
C:\Users\Kristóf\GQOKMW\land>md szeder
C:\Users\Kristóf\GQOKMW\land>md kokusz
C:\Users\Kristóf\GQOKMW\land>cd..
C:\Users\Kristóf\GQOKMW>tree
Folder PATH listing
Volume serial number is 3C28-D726
C:.
|_ bokor
|   |_ banan
|   |_ barack
|   |_ mogyoro
|_ fa
|   |_ korte
|_ land
|   |_ kokusz
|   |_ szeder

C:\Users\Kristóf\GQOKMW>
```

b)

```
C:\Users\Kristóf\GQOKMW>xcopy C:\Users\Kristóf\GQOKMW\land\szeder C:\Users\Kristóf\GQOKMW\fa
0 File(s) copied

C:\Users\Kristóf\GQOKMW>xcopy C:\Users\Kristóf\GQOKMW\bokor\banan C:\Users\Kristóf\GQOKMW\fa
0 File(s) copied

C:\Users\Kristóf\GQOKMW>_
```

c)

```
C:\Users\Kristóf\GQOKMW>move C:\Users\Kristóf\GQOKMW\bokor\barack C:\Users\Kristóf\GQOKMW\fa
1 dir(s) moved.

C:\Users\Kristóf\GQOKMW>move C:\Users\Kristóf\GQOKMW\land\kokusz C:\Users\Kristóf\GQOKMW\fa
1 dir(s) moved.

C:\Users\Kristóf\GQOKMW>
```

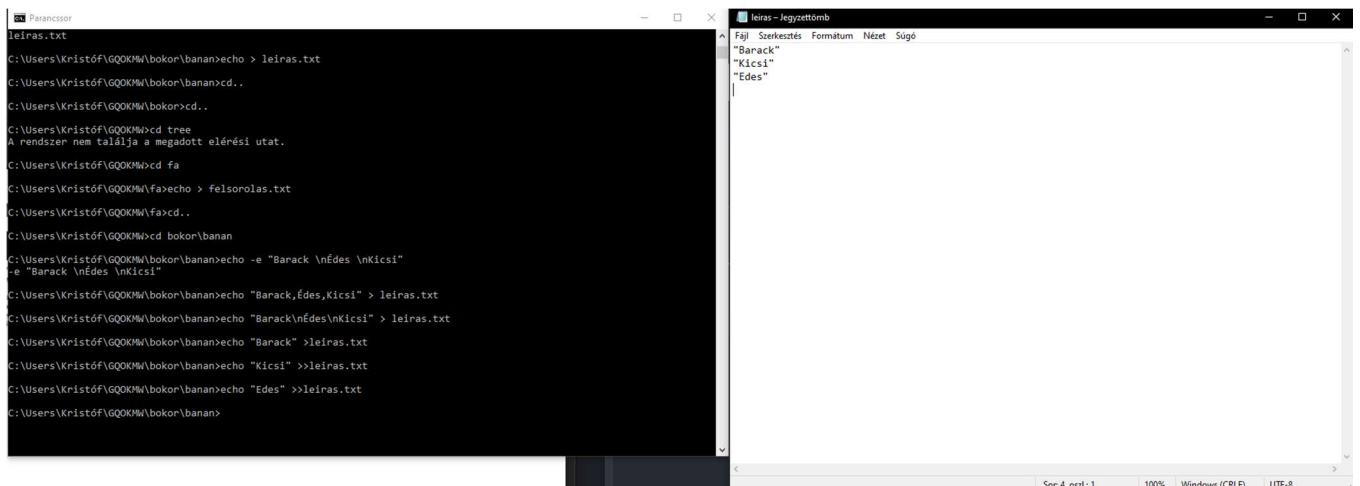
d)

```
C:\Users\Kristóf\GQOKMW>rmdir C:\Users\Kristóf\GQOKMW\land\
A könyvtár nem üres.

C:\Users\Kristóf\GQOKMW>rmdir /s C:\Users\Kristóf\GQOKMW\land
C:\Users\Kristóf\GQOKMW\land, Are you sure (Y/N)? y

C:\Users\Kristóf\GQOKMW>tree
Folder PATH listing
Volume serial number is 3C28-D726
C:.
├── bokor
│   ├── banan
│   └── mogyoro
└── fa
    ├── barack
    ├── kokusz
    └── korte
```

e)



```
leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>echo > leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>cd..
C:\Users\Kristóf\GQOKMW\bokor>cd..
C:\Users\Kristóf\GQOKMW>cd tree
A rendszer nem találja a megadott elérési utat.
C:\Users\Kristóf\GQOKMW>cd fa
C:\Users\Kristóf\GQOKMW\fa>echo > felsorolas.txt
C:\Users\Kristóf\GQOKMW\fa>cd..
C:\Users\Kristóf\GQOKMW>cd bokor\banan
C:\Users\Kristóf\GQOKMW\bokor\banan>echo -e "Barack \nÉdes \nKicsi"
-e "Barack \nÉdes \nKicsi"
C:\Users\Kristóf\GQOKMW\bokor\banan>echo "Barack,Édes,Kicsi" > leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>echo "Barack\nÉdes\nKicsi" > leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>echo "Barack" >leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>echo "Kicsi" >>leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>echo "Édes" >>leiras.txt
C:\Users\Kristóf\GQOKMW\bokor\banan>
```

leiras - Jegyzetfőb

Fájl Szerkesztés Formátum Nézet Súgó

"Barack"
"Kicsi"
"Édes"

Sor 4, oszl: 1 100% Windows (CRLF) UTF-8

```
C:\Users\Kristóf\GQOKMW>cd fa
C:\Users\Kristóf\GQOKMW\fa>echo "Máté " >felsorolas.txt
C:\Users\Kristóf\GQOKMW\fa>echo "Matyi " >>felsorolas.txt
C:\Users\Kristóf\GQOKMW\fa>echo "Vanda " >>felsorolas.txt
C:\Users\Kristóf\GQOKMW\fa>echo "Kevin " >>felsorolas.txt
C:\Users\Kristóf\GQOKMW\fa>echo "Viktor " >>felsorolas.txt
```

f)

```
C:\Users\Kristóf\GQOKMW\bokor>cd..
C:\Users\Kristóf\GQOKMW>tree
Folder PATH listing
Volume serial number is 3C28-D726
C:.
├── bokor
│   ├── banan
│   └── mogyoro
└── fa
    ├── barack
    ├── kokusz
    └── korte
C:\Users\Kristóf\GQOKMW>_
```

g)

```

C:\Users\Kristóf\GQOKMW>dir /s "?e"
Volume in drive C has no label.
Volume Serial Number is 3C28-D726
File Not Found

C:\Users\Kristóf\GQOKMW>dir /s "?e*"
Volume in drive C has no label.
Volume Serial Number is 3C28-D726

Directory of C:\Users\Kristóf\GQOKMW\bokor\banan
2022. 02. 17.  18:22                30 leiras.txt
                1 File(s)                30 bytes

Directory of C:\Users\Kristóf\GQOKMW\fa
2022. 02. 17.  18:17                13 felsorolas.txt
                1 File(s)                13 bytes

Total Files Listed:
                2 File(s)                43 bytes
                0 Dir(s)  32 090 718 208 bytes free

C:\Users\Kristóf\GQOKMW>

```

h)

```

C:\Users>icacls C:\Users\Kristóf\GQOKMW\fa\felsorolas.txt /grant Mindenki:r
processed file: C:\Users\Kristóf\GQOKMW\fa\felsorolas.txt
Successfully processed 1 files; Failed processing 0 files

C:\Users>_

```

i)

```

C:\Users>dir /s C:\Users\Kristóf\GQOKMW
Volume in drive C has no label.
Volume Serial Number is 3C28-D726

Directory of C:\Users\Kristóf\GQOKMW

2022. 02. 17.  18:15  <DIR>      .
2022. 02. 17.  18:15  <DIR>      ..
2022. 02. 17.  18:13  <DIR>      bokor
2022. 02. 17.  18:17  <DIR>      fa
                0 File(s)          0 bytes

Directory of C:\Users\Kristóf\GQOKMW\bokor

2022. 02. 17.  18:13  <DIR>      .
2022. 02. 17.  18:13  <DIR>      ..
2022. 02. 17.  18:16  <DIR>      banan
2022. 02. 17.  18:02  <DIR>      mogyoro
                0 File(s)          0 bytes

Directory of C:\Users\Kristóf\GQOKMW\bokor\banan

2022. 02. 17.  18:16  <DIR>      .
2022. 02. 17.  18:16  <DIR>      ..
2022. 02. 17.  18:22  <DIR>      30 leinas.txt
                1 File(s)          30 bytes

Directory of C:\Users\Kristóf\GQOKMW\bokor\mogyoro

2022. 02. 17.  18:02  <DIR>      .
2022. 02. 17.  18:02  <DIR>      ..
                0 File(s)          0 bytes

Directory of C:\Users\Kristóf\GQOKMW\fa

2022. 02. 17.  18:17  <DIR>      .
2022. 02. 17.  18:17  <DIR>      ..
2022. 02. 17.  18:02  <DIR>      barack
2022. 02. 17.  18:17  <DIR>      13 felsorolas.txt
2022. 02. 17.  18:02  <DIR>      kokusz
2022. 02. 17.  18:02  <DIR>      korte
                1 File(s)          13 bytes

Directory of C:\Users\Kristóf\GQOKMW\fa\barack

2022. 02. 17.  18:02  <DIR>      .
2022. 02. 17.  18:02  <DIR>      ..
                0 File(s)          0 bytes

Directory of C:\Users\Kristóf\GQOKMW\fa\kokusz

2022. 02. 17.  18:02  <DIR>      .
2022. 02. 17.  18:02  <DIR>      ..
                0 File(s)          0 bytes

Directory of C:\Users\Kristóf\GQOKMW\fa\korte

2022. 02. 17.  18:02  <DIR>      .
2022. 02. 17.  18:02  <DIR>      ..
                0 File(s)          0 bytes

Total Files Listed:
        2 File(s)          43 bytes
       23 Dir(s)  32 073 084 928 bytes free

C:\Users>

```

j)

```

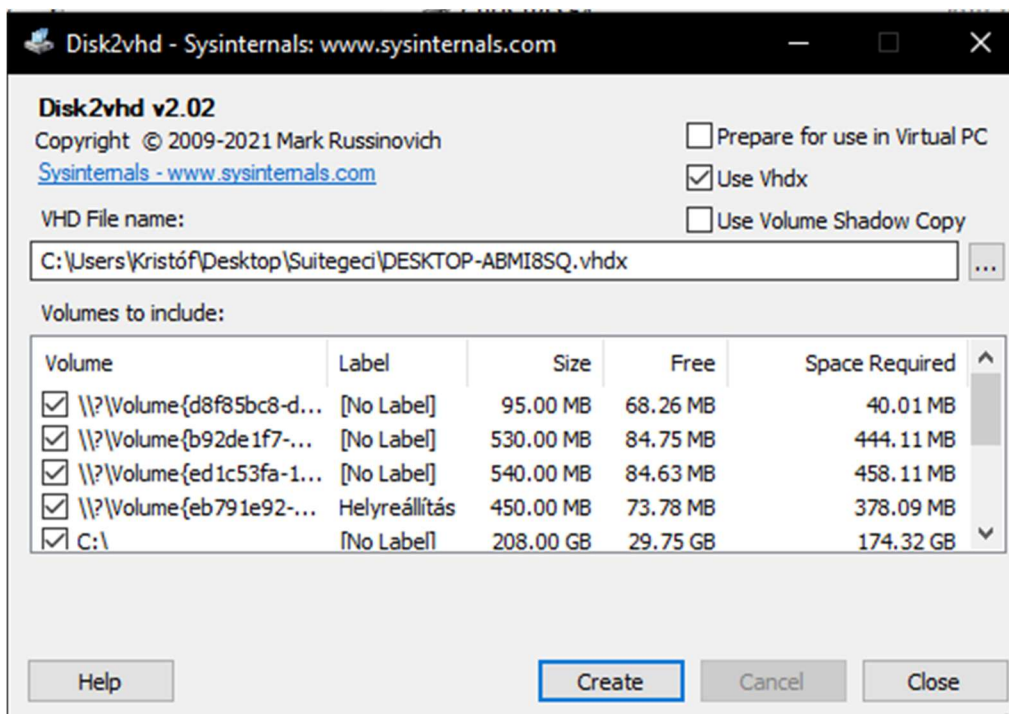
C:\Users\Kristóf\GQOKMW>sort C:\Users\Kristóf\GQOKMW\fa\felsorolas.txt
"Kevin "
"Máté "
"Matyi "
"Vanda "
"Viktor "

C:\Users\Kristóf\GQOKMW>

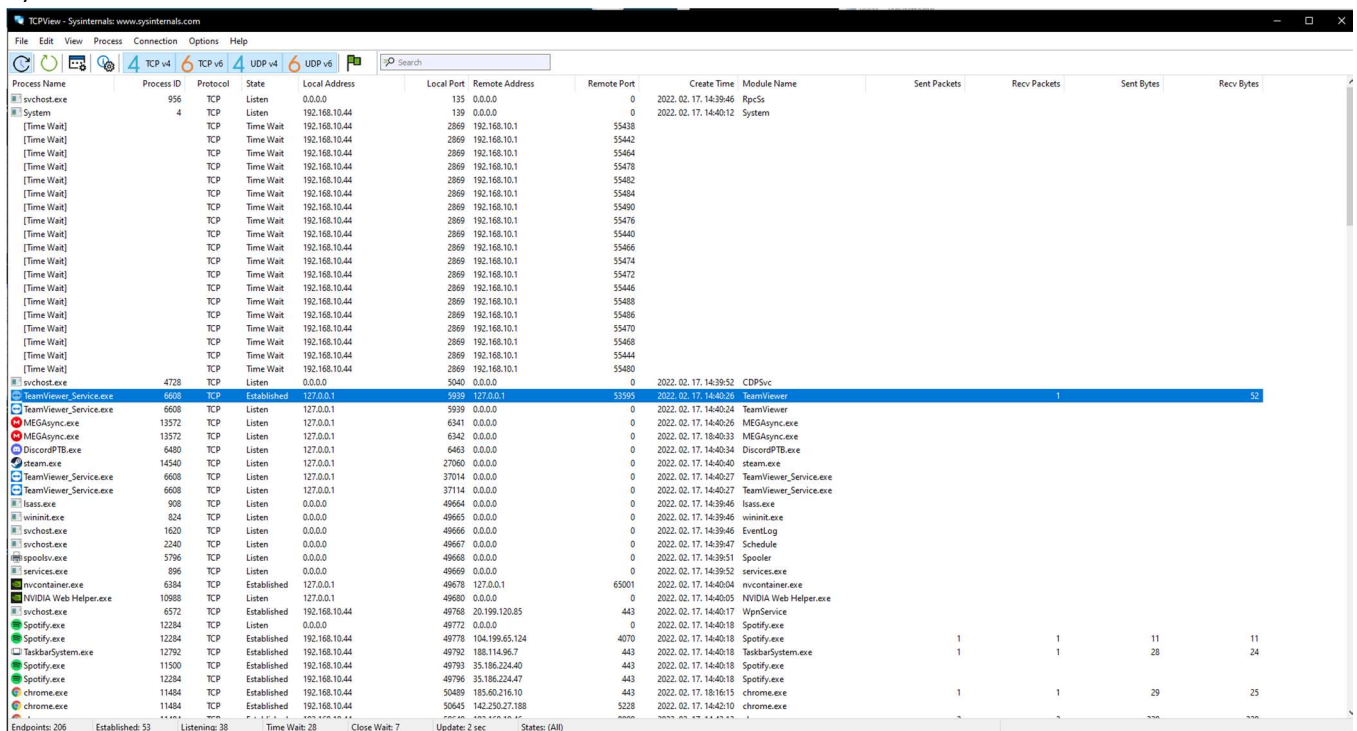
```

2

a)



b)



c)

Process Explorer - Sysinternals: www.sysinternals.com [DESKTOP-ABMI8SQ\Krisztof]

File Options View Process Find Users Help

<Filter by name>

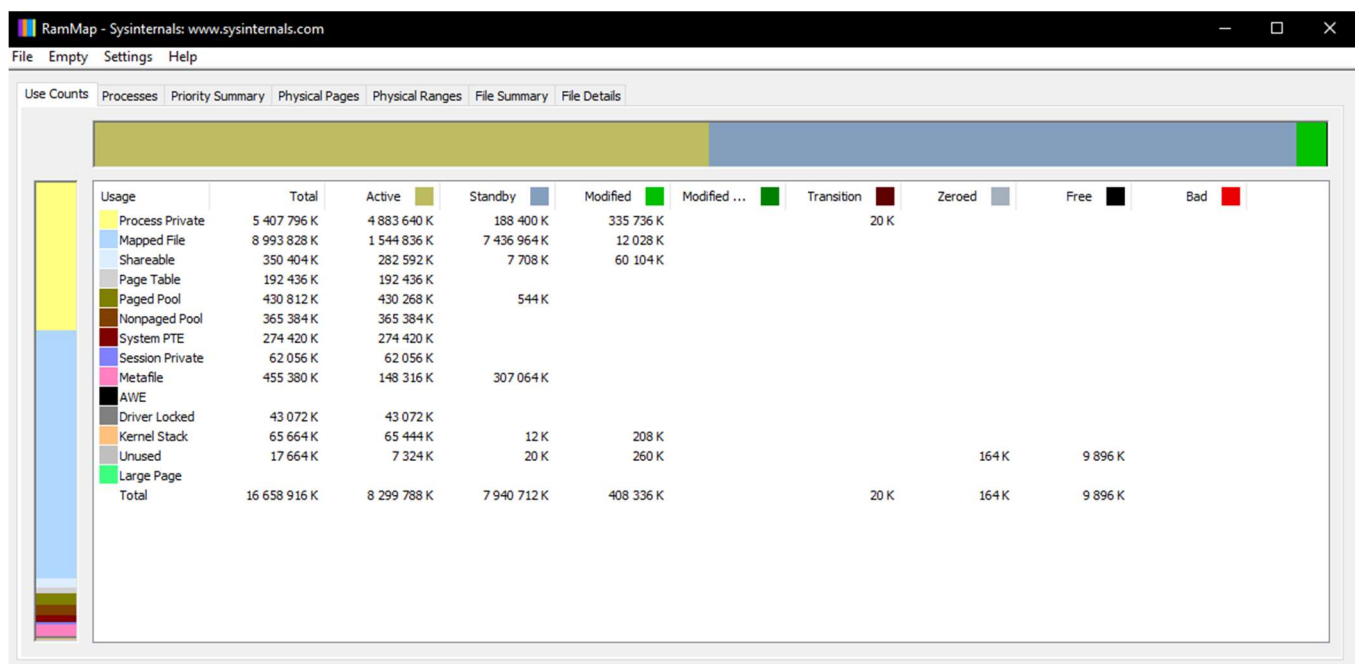
Process	CPU	Private Bytes	Working Set	PID	Description	Company Name
Registry		9 464 K	105 956 K	108		
System Idle Process	51.85	60 K	8 K	0		
System	1.24	200 K	3 032 K	4		
Interrupts	1.74	0 K	0 K	n/a	Hardware Interrupts and DPCs	
smss.exe		1 068 K	1 064 K	468		
Memory Compression	< 0.01	1 304 K	557 320 K	2592		
csrss.exe		1 928 K	5 392 K	720		
wininit.exe		1 416 K	6 460 K	824		
services.exe	< 0.01	6 136 K	9 544 K	896		
svchost.exe	< 0.01	13 596 K	25 616 K	388	Windows-szolgáltatások gaz...	Microsoft Corporation
rundll32.exe		2 080 K	9 260 K	5184	Windows gazdafolyamat (Ru...	Microsoft Corporation
unscapp.exe		1 352 K	6 616 K	7296		
StartMenuExperienceHost.exe	< 0.01	88 616 K	79 928 K	8772		
RuntimeBroker.exe		6 204 K	22 504 K	9064	Runtime Broker	Microsoft Corporation
SearchApp.exe	Susp...	202 568 K	227 996 K	8444	Search application	Microsoft Corporation
RuntimeBroker.exe		21 012 K	54 104 K	8304	Runtime Broker	Microsoft Corporation
YourPhone.exe	Susp...	88 052 K	21 436 K	9312		Microsoft Corporation
SettingSyncHost.exe		9 640 K	6 840 K	9540	Host Process for Setting Syn...	Microsoft Corporation
ShellExperienceHost.exe	Susp...	68 456 K	53 164 K	10088	Windows Shell Experience H...	Microsoft Corporation
TextInputHost.exe	< 0.01	87 472 K	56 948 K	10220		Microsoft Corporation
RuntimeBroker.exe	< 0.01	3 064 K	16 352 K	3980	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		7 344 K	26 356 K	9968	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		3 232 K	16 256 K	10448	Runtime Broker	Microsoft Corporation
SystemSettings.exe	Susp...	96 652 K	38 844 K	16296	Gépház	Microsoft Corporation
ApplicationFrameHost.exe		8 664 K	23 784 K	15744	Application Frame Host	Microsoft Corporation
UserOOBEBroker.exe		2 008 K	9 096 K	13872	User OOBEBroker	Microsoft Corporation
Video.UI.exe	Susp...	73 848 K	2 764 K	5980		
Microsoft.Photos.exe	Susp...	109 712 K	5 120 K	7816		
RuntimeBroker.exe		1 592 K	7 128 K	7064	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		11 456 K	28 544 K	9948	Runtime Broker	Microsoft Corporation
dllhost.exe		4 016 K	12 448 K	7284	COM Surrogate	Microsoft Corporation
SppExtComObj.Exe		2 220 K	10 084 K	3316		
WmiPrvSE.exe		5 556 K	12 816 K	10980		
BackgroundTaskHost.exe	Susp...	4 348 K	20 068 K	7436	Background Task Host	Microsoft Corporation
RuntimeBroker.exe		2 072 K	13 036 K	3168	Runtime Broker	Microsoft Corporation
WmiPrvSE.exe		2 496 K	9 472 K	17792		
RuntimeBroker.exe		5 540 K	21 324 K	12120	Runtime Broker	Microsoft Corporation
RuntimeBroker.exe		4 744 K	22 780 K	16724	Runtime Broker	Microsoft Corporation
MsUdpConnWorker.exe		5 124 K	16 512 K	8492		

CPU Usage: 48.38% | Commit Charge: 80.73% | Processes: 285 | Physical Usage: 51.33%

d)

A Logonsessions sajnos nem nyílik meg

e)



3)



























a)

```
#include <stdio.h>
#include <stdlib.h>

int main() {
    FILE *file = fopen("DanviKristof.txt", "w");
    fprintf(file, "Név: Danvi Kristof \nSzak: Mérnök Informatikus \nNeptunkod: GQOKMW");
    fclose(file);
    return 0;
}
```

PI	Ordinal ^	Hint	Function	Entry Point
	N/A	269 (0x010D)	DeleteCriticalSection	Not Bound
	N/A	305 (0x0131)	EnterCriticalSection	Not Bound
	N/A	536 (0x0218)	GetCurrentProcess	Not Bound
	N/A	537 (0x0219)	GetCurrentProcessId	Not Bound
	N/A	541 (0x021D)	GetCurrentThreadId	Not Bound
	N/A	610 (0x0262)	GetLastError	Not Bound
	N/A	722 (0x02D2)	GetStartupInfoA	Not Bound
	N/A	747 (0x02EB)	GetSystemTimeAsFileTime	Not Bound
	N/A	775 (0x0307)	GetTickCount	Not Bound
	N/A	864 (0x0360)	InitializeCriticalSection	Not Bound
	N/A	952 (0x03B8)	LeaveCriticalSection	Not Bound
	N/A	1094 (0x0446)	QueryPerformanceCounter	Not Bound
	N/A	1180 (0x049C)	RtlAddFunctionTable	Not Bound
E	Ordinal ^	Hint	Function	Entry Point
	1 (0x0001)	0 (0x0000)	AcquireSRWLockExclusive	NTDLL.RtlAcquireSRWLockExclusive
	2 (0x0002)	1 (0x0001)	AcquireSRWLockShared	NTDLL.RtlAcquireSRWLockShared
	3 (0x0003)	2 (0x0002)	ActivateActCtx	0x00020080
	4 (0x0004)	3 (0x0003)	ActivateActCtxWorker	0x0001B700
	5 (0x0005)	4 (0x0004)	AddAtomA	0x0005A140
	6 (0x0006)	5 (0x0005)	AddAtomW	0x000128F0
	7 (0x0007)	6 (0x0006)	AddConsoleAliasA	0x00025640
	8 (0x0008)	7 (0x0007)	AddConsoleAliasW	0x00025650
	9 (0x0009)	8 (0x0008)	AddDllDirectory	api-ms-win-core-libraryloader-l1-1-0.AddDllDirectory
	10 (0x000A)	9 (0x0009)	AddIntegrityLabelToBoundaryDescriptor	0x0003CCE0
	11 (0x000B)	10 (0x000A)	AddLocalAlternateComputerNameA	0x0005A280
	12 (0x000C)	11 (0x000B)	AddLocalAlternateComputerNameW	0x0005A2E0
	13 (0x000D)	12 (0x000C)	AddRefActCtx	0x00027270

b)

PI	Ordinal ^	Hint	Function	Entry Point
	N/A	20 (0x0014)	CsrAllocateCaptureBuffer	Not Bound
	N/A	21 (0x0015)	CsrAllocateMessagePointer	Not Bound
	N/A	23 (0x0017)	CsrCaptureMessageMultiUnicodeStringsInPlace	Not Bound
	N/A	24 (0x0018)	CsrCaptureMessageString	Not Bound
	N/A	26 (0x001A)	CsrClientCallServer	Not Bound
	N/A	28 (0x001C)	CsrFreeCaptureBuffer	Not Bound
	N/A	32 (0x0020)	CsrVerifyRegion	Not Bound
	N/A	34 (0x0022)	DbgPrint	Not Bound
	N/A	35 (0x0023)	DbgPrintEx	Not Bound
	N/A	45 (0x002D)	DbgUiGetThreadDebugObject	Not Bound
	N/A	46 (0x002E)	DbgUiIssueRemoteBreakin	Not Bound
	N/A	57 (0x0039)	EtwEventEnabled	Not Bound
	N/A	59 (0x003B)	EtwEventRegister	Not Bound
E	Ordinal ^	Hint	Function	Entry Point
	8 (0x0008)	N/A	N/A	0x0007F110
	9 (0x0009)	0 (0x0000)	A_SHAFinal	0x00040230
	10 (0x000A)	1 (0x0001)	A_SHAInit	0x00041060
	11 (0x000B)	2 (0x0002)	A_SHAUpdate	0x000410A0
	12 (0x000C)	3 (0x0003)	AlpcAdjustCompletionListConcurrencyCount	0x000E0740
	13 (0x000D)	4 (0x0004)	AlpcFreeCompletionListMessage	0x00070620
	14 (0x000E)	5 (0x0005)	AlpcGetCompletionListLastMessageInformation	0x000E0770
	15 (0x000F)	6 (0x0006)	AlpcGetCompletionListMessageAttributes	0x000E0790
	16 (0x0010)	7 (0x0007)	AlpcGetHeaderSize	0x00070350
	17 (0x0011)	8 (0x0008)	AlpcGetMessageAttribute	0x00070310
	18 (0x0012)	9 (0x0009)	AlpcGetMessageFromCompletionList	0x00010A60
	19 (0x0013)	10 (0x000A)	AlpcGetOutstandingCompletionListMessageCount	0x00085CA0
	20 (0x0014)	11 (0x000B)	AlpcInitializeMessageAttribute	0x000702B0