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**Лабораторная работа №8 по курсу  
«Операционные системы»**

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Дата: \_\_\_\_\_  
Подпись: \_\_\_\_\_

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## **Содержание**

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# Репозиторий

[https://github.com/EgorX2000/os\\_labs/tree/main/8](https://github.com/EgorX2000/os_labs/tree/main/8)

(логи Process Monitor находятся там же)

## Постановка задачи

### Цель работы

Приобретение практических навыков диагностики работы программного обеспечения.

### Задание

При выполнении лабораторных работ по курсу ОС необходимо продемонстрировать ключевые системные вызовы, которые в них используются и то, что их использование соответствует варианту ЛР. По итогам выполнения всех лабораторных работ отчет по данной ЛР должен содержать краткую сводку по исследованию написанных программ.

## Выполнение задания

### Lab1

| #   | A                | B          | C     | D                           | E  | F                  | G  | H                | I            | J           | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|-----|------------------|------------|-------|-----------------------------|--|--------------------|--|------------------|--------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|
| 411 | 13:13:09.0225932 | "main.exe" | "816" | "RegCloseKey"               | "HKCU"   | "SUCCESS"          | ""   | "0.0000009"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 412 | 13:13:09.0225992 | "main.exe" | "816" | "RegOpenKey"                | "HKLM\Software\Policies\Microsoft\MMUI\Settings"   | "NAME NOT FOUND"   | "Desired Access: Read"   | "0.0000018"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 413 | 13:13:09.0226068 | "main.exe" | "816" | "RegOpenKey"                | "HKCU"   | "SUCCESS"          | "Desired Access: Maximum Allowed, Granted Access: All Access"  | "0.0000020"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 414 | 13:13:09.0226138 | "main.exe" | "816" | "RegOpenKey"                | "HKCU\Software\Policies\Microsoft\Control Panel\Desktop"   | "NAME NOT FOUND"   | "Desired Access: Read"   | "0.0000017"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 415 | 13:13:09.0226197 | "main.exe" | "816" | "RegOpenKey"                | "HKCU\Control Panel\Desktop\LanguageConfiguration"   | "NAME NOT FOUND"   | "Desired Access: Read"   | "0.0000016"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 416 | 13:13:09.0226256 | "main.exe" | "816" | "RegCloseKey"               | "HKCU"   | "SUCCESS"          | ""   | "0.0000009"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 417 | 13:13:09.0230719 | "main.exe" | "816" | "RegOpenKey"                | "HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders"  | "SUCCESS"          | "Desired Access: Query Value"  | "0.0000052"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 418 | 13:13:09.0230831 | "main.exe" | "816" | "RegQueryValue"             | "HKCU\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders\Cache"  | "SUCCESS"          | "Type: REG_SZ, Length: 120, Data: C:\Users\MegaComp\AppData\Local\Microsoft\Windows\NetCache"  | "0.0000033"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 419 | 13:13:09.0230936 | "main.exe" | "816" | "RegOpenKey"                | "HKCU\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders"  | "SUCCESS"          | ""   | "0.0000013"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 420 | 13:13:09.0231036 | "main.exe" | "816" | "QuerySecurityFile"         | "D:\Documents\c++\jos_labs\1\src\build\chld.exe"   | "SUCCESS"          | "Information: Owner, Group, DACL, Label, Attribute, Process Trust Label, 0x100"  | "0.0000017"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 421 | 13:13:09.0231825 | "main.exe" | "816" | "CreateFile"                | "C:\Windows\appcache\sysmain.sdb"  | "SUCCESS"          | "Generic Read, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: N, ShareMode: Read, AllocationSize: n/a, OpenResult: Opened"  | "0.0000154"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 422 | 13:13:09.0232118 | "main.exe" | "816" | "QueryBasicInformationFile" | "C:\Windows\appcache\sysmain.sdb"  | "SUCCESS"          | "CreationTime: 13.11.2024 19:43:28, LastAccessTime: 26.12.2024 13:13:09, LastWriteTime: 13.11.2024 19:43:28, ChangeTime: 13.11.2024 22:29:25, FileAttributes: A"   | "0.0000020"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 423 | 13:13:09.0232182 | "main.exe" | "816" | "CloseFile"                 | "C:\Windows\appcache\sysmain.sdb"  | "SUCCESS"          | ""   | "0.0000052"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 424 | 13:13:09.0232390 | "main.exe" | "816" | "QueryBasicInformationFile" | "D:\Documents\c++\jos_labs\1\src\build\chld.exe"   | "SUCCESS"          | "CreationTime: 26.12.2024 13:12:53, LastAccessTime: 26.12.2024 13:13:09, LastWriteTime: 26.12.2024 13:12:53, ChangeTime: 26.12.2024 13:12:53, FileAttributes: A"   | "0.0000011"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 425 | 13:13:09.0232821 | "main.exe" | "816" | "CloseFile"                 | "D:\Documents\c++\jos_labs\1\src\build\chld.exe"   | "SUCCESS"          | ""   | "0.0000053"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 426 | 13:13:09.0292474 | "main.exe" | "816" | "CreateFile"                | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | "Desired Access: Read Attributes, Disposition: Open, Options: Open Reparse Point, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a, OpenResult: Opened"  | "0.0000149"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 427 | 13:13:09.0292708 | "main.exe" | "816" | "QueryBasicInformationFile" | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | "CreationTime: 18.12.2023 14:57:47, LastAccessTime: 26.12.2024 13:13:09, LastWriteTime: 18.12.2023 14:57:47, ChangeTime: 18.12.2024 6:57:23, FileAttributes: A"  | "0.0000049"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 428 | 13:13:09.0292826 | "main.exe" | "816" | "CloseFile"                 | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | ""   | "0.0000059"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 429 | 13:13:09.0293832 | "main.exe" | "816" | "CreateFile"                | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | "Desired Access: Read Data/List Directory, Execute/Traverse, Synchronize, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, OpenResult: Opened" | "0.0000063"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 430 | 13:13:09.0294116 | "main.exe" | "816" | "CreateFileMapping"         | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | "FILE LOCKED WITH ONLY READERS", SyncType: SyncTypeCreateSection, PageProtection: PAGE_EXECUTE_READWRITE"  | "0.0000026"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 431 | 13:13:09.0294291 | "main.exe" | "816" | "CreateFileMapping"         | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | "SyncType: SyncTypeOther"  | "0.0000011"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 432 | 13:13:09.0295282 | "main.exe" | "816" | "Load Image"                | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | "Image Base: 0x7f6cc0000, Image Size: 0x1000"  | "0.0000000"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 433 | 13:13:09.0296896 | "main.exe" | "816" | "Load Image"                | "C:\Windows\System32\psocrt.dll"   | "SUCCESS"          | "Image Base: 0x7f6d07000, Image Size: 0x6000"  | "0.0000000"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 434 | 13:13:09.0297910 | "main.exe" | "816" | "CloseFile"                 | "C:\Windows\System32\kernel.appcore.dll"   | "SUCCESS"          | ""   | "0.0000075"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 435 | 13:13:09.0299039 | "main.exe" | "816" | "RegOpenKey"                | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"  | "REPARSE"          | "Desired Access: Query Value, Enumerate Sub Keys"  | "0.0000063"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 436 | 13:13:09.0299173 | "main.exe" | "816" | "RegOpenKey"                | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"  | "SUCCESS"          | "Desired Access: Query Value, Enumerate Sub Keys"  | "0.0000040"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 437 | 13:13:09.0299276 | "main.exe" | "816" | "RegQueryValue"             | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\ProcessControl"   | "NAME NOT FOUND"   | "Length: 24"   | "0.0000034"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 438 | 13:13:09.0299374 | "main.exe" | "816" | "RegCloseKey"               | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"  | "SUCCESS"          | ""   | "0.0000012"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 439 | 13:13:09.0300043 | "main.exe" | "816" | "Thread Exit"               | "Thread ID: 15492, User Time: 0.0000000, Kernel Time: 0.0156250"   | "0.0000000"        |  |                  |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 440 | 13:13:09.0300070 | "main.exe" | "816" | "Thread Exit"               | "Thread ID: 15496, User Time: 0.0000000, Kernel Time: 0.0156250"   | "0.0000000"        |  |                  |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 441 | 13:13:09.0300184 | "main.exe" | "816" | "Thread Exit"               | "Thread ID: 15488, User Time: 0.0000000, Kernel Time: 0.0156250"   | "0.0000000"        |  |                  |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 442 | 13:13:09.0300717 | "main.exe" | "816" | "RegQueryValue"             | "HKLM\SYSTEM\CurrentControlSet\Control\Notification\A184073AA3B8075"   | "BUFFER TOO SMALL" | "Length: 0"  | "0.0000323"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 443 | 13:13:09.0301144 | "main.exe" | "816" | "RegQueryValue"             | "HKLM\SYSTEM\CurrentControlSet\Control\Notification\A184073AA3B8075"   | "SUCCESS"          | "Type: REG_BINARY, Length: 364, Data: 01 00 04 80 00 00 00 00 00 00 00 00 00 00 00 00"   | "0.0000240"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 444 | 13:13:09.0301650 | "main.exe" | "816" | "Thread Exit"               | "Thread ID: 7720, User Time: 0.0000000, Kernel Time: 0.0156250"  | "0.0000000"        |  |                  |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 445 | 13:13:09.0303451 | "main.exe" | "816" | "Process Exit"              | "Exit Status: 0, User Time: 0.0000000 seconds, Kernel Time: 0.0625000 seconds, Private Bytes: 1 019 904, Peak Private Bytes: 1 019 904, Working Set: 5 033 984, Peak Working Set: 5 038 080" | "0.0000000"        |  |                  |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 446 | 13:13:09.0303588 | "main.exe" | "816" | "RegOpenKey"                | "HKLM\SYSTEM\CurrentControlSet\Services\bam\State\UserSettings\5-1-5-21-3625250397-663208371-1183754527-1001"  | "SUCCESS"          | "Desired Access: All Access"   | "0.0000044"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 447 | 13:13:09.0303672 | "main.exe" | "816" | "RegQueryValue"             | "HKLM\SYSTEM\CurrentControlSet\Services\bam\State\UserSettings\5-1-5-21-3625250397-663208371-1183754527-1001"  | "SUCCESS"          | "Device\HarddiskVolume2\Documents\c++\jos_labs\1\src\build\main.exe"   | "NAME NOT FOUND" | "Length: 40" | "0.0000061" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 448 | 13:13:09.0303771 | "main.exe" | "816" | "RegCloseKey"               | "HKLM\SYSTEM\CurrentControlSet\Services\bam\State\UserSettings\5-1-5-21-3625250397-663208371-1183754527-1001"  | "SUCCESS"          | ""   | "0.0000039"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 449 | 13:13:09.0304034 | "main.exe" | "816" | "CloseFile"                 | "D:\Documents\c++\jos_labs\1\src\build"  | "SUCCESS"          | ""   | "0.0000070"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 450 | 13:13:09.0304451 | "main.exe" | "816" | "RegCloseKey"               | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"  | "SUCCESS"          | ""   | "0.0000015"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 451 | 13:13:09.0304498 | "main.exe" | "816" | "RegCloseKey"               | "HKLM\SYSTEM\CurrentControlSet\Control\Nls\Sorting\Versions"   | "SUCCESS"          | ""   | "0.0000009"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 452 | 13:13:09.0304596 | "main.exe" | "816" | "RegCloseKey"               | "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Image File Execution Options"   | "SUCCESS"          | ""   | "0.0000014"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 453 | 13:13:09.0304643 | "main.exe" | "816" | "RegCloseKey"               | "HKCU\SOFTWARE\Microsoft\Windows NT\CurrentVersion"  | "SUCCESS"          | ""   | "0.0000010"      |              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |

### Системные вызовы:

CreateFile - Создает или открывает файл или устройство ввода-вывода.

CreateProcess - Создает новый процесс и его основной поток.

CreatePipe - Создает анонимный канал и возвращает дескриптор к концам канала чтения и записи.

### Lab2

| #   | A                | B          | C       | D                           | E  | F  | G   | H  | I           | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|-----|------------------|------------|---------|-----------------------------|--|--|---|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|
| 86  | 13:20:42,9433543 | "main.exe" | "15220" | "Thread Create"             | "",  | "SUCCESS"  | "",   | "Thread ID: 2156"  | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 87  | 13:20:42,9436063 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions"   | "REPARSE"   | "Desired Access: Read"   | "0.0000076" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 88  | 13:20:42,9436217 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions"   | "SUCCESS"   | "Desired Access: Read"   | "0.0000062" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 89  | 13:20:42,9436408 | "main.exe" | "15220" | "RegQueryValue"             | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions\Default"   | "SUCCESS"   | "Type: REG_SZ, Length: 18, Data: 00060205"                       | "0.0000038" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 90  | 13:20:42,9436495 | "main.exe" | "15220" | "RegQueryValue"             | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions\0006030x"  | "SUCCESS"   | "Type: REG_SZ, Length: 26, Data: kernel32.dll"                   | "0.0000022" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 91  | 13:20:42,9437015 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"  | "REPARSE"   | "Desired Access: Query Value, Enumerate Sub Keys"                | "0.0000032" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 92  | 13:20:42,9437109 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\System\CurrentControlSet\Control\Session Manager"  | "SUCCESS"   | "Desired Access: Query Value, Enumerate Sub Keys"                | "0.0000032" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 93  | 13:20:42,9437195 | "main.exe" | "15220" | "RegQueryValue"             | "",  | "HKLM\System\CurrentControlSet\Control\Session Manager\ResourcePolicies"                                       | "NAME NOT FOUND"  | "Length: 24"   | "0.0000024" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 94  | 13:20:42,9437287 | "main.exe" | "15220" | "RegCloseKey"               | "",  | "HKLM\System\CurrentControlSet\Control\Session Manager"  | "SUCCESS"   | "",  | "0.0000039" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 95  | 13:20:42,9438990 | "main.exe" | "15220" | "QueryNameInformationFile"  | "D:\Documents\C++\jos_labs\2\src\build\main.exe" | "SUCCESS"  | "Name: D:\Documents\C++\jos_labs\2\src\build\main.exe"  | "0.0000048"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 96  | 13:20:42,9440334 | "main.exe" | "15220" | "CreateFile"                | "D:\Documents\C++\jos_labs\2\src\build\data.txt" | "SUCCESS"  | "Desired Access: Generic Write, Read Attributes, Disposition: OverwriteIf, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: N, ShareMode: Read, Write, AllocationSize: 0, OpenResult: Created"        |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 97  | 13:20:42,9442000 | "main.exe" | "15220" | "Thread Create"             | "",  | "SUCCESS"  | "",   | "Thread ID: 15172"   | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 98  | 13:20:42,9442359 | "main.exe" | "15220" | "Thread Create"             | "",  | "SUCCESS"  | "",   | "Thread ID: 15900"   | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 99  | 13:20:42,9442561 | "main.exe" | "15220" | "Thread Create"             | "",  | "SUCCESS"  | "",   | "Thread ID: 7968"  | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 100 | 13:20:42,9443204 | "main.exe" | "15220" | "Thread Exit"               | "",  | "SUCCESS"  | "",   | "Thread ID: 15172, User Time: 0.0000000, Kernel Time: 0.0000000" | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 101 | 13:20:42,9444375 | "main.exe" | "15220" | "Thread Exit"               | "",  | "SUCCESS"  | "",   | "Thread ID: 15900, User Time: 0.0000000, Kernel Time: 0.0000000" | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 102 | 13:20:42,9444397 | "main.exe" | "15220" | "Thread Exit"               | "",  | "SUCCESS"  | "",   | "Thread ID: 7968, User Time: 0.0000000, Kernel Time: 0.0000000"  | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 103 | 13:20:42,9458324 | "main.exe" | "15220" | "CreateFile"                | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "Desired Access: Read Attributes, Disposition: Open, Options: Open Reparse Point, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a, OpenResult: Opened"   | "0.0000133"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 104 | 13:20:42,9458343 | "main.exe" | "15220" | "QueryBasicInformationFile" | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "CreationTime: 18.12.2023 14:57:47, LastAccessTime: 26.12.2024 13:20:39, LastWriteTime: 18.12.2023 14:57:47, ChangeTime: 11.12.2024 6:57:23, FileAttributes: A"   | "0.0000024"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 105 | 13:20:42,9458629 | "main.exe" | "15220" | "CloseFile"                 | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "",   | "0.0000052"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 106 | 13:20:42,9459567 | "main.exe" | "15220" | "CreateFile"                | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "Desired Access: Read Data/List Directory, Execute/Traverse, Synchronize, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, Open |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 107 | 13:20:42,9459865 | "main.exe" | "15220" | "CreateFileMapping"         | "C:\Windows\System32\kernel.appcore.dll"         | "FILE LOCKED WITH ONLY READERS"  | "SyncType: SyncTypeCreateSession, PageProtection: PAGE_EXECUTE_READWRITE"   | "0.0000031"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 108 | 13:20:42,9460031 | "main.exe" | "15220" | "CreateFileMapping"         | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "SyncType: SyncTypeOther"   | "0.0000011"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 109 | 13:20:42,9461459 | "main.exe" | "15220" | "Load Image"                | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "Image Base: 0x7f6c0f000, Image Size: 0x12000"  | "0.0000000"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 110 | 13:20:42,9462743 | "main.exe" | "15220" | "Load Image"                | "C:\Windows\System32\msvcrt.dll"                 | "SUCCESS"  | "Image Base: 0x7f6d0f000, Image Size: 0x6d000"  | "0.0000000"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 111 | 13:20:42,9464015 | "main.exe" | "15220" | "Load Image"                | "C:\Windows\System32\pccr4.dll"                  | "SUCCESS"  | "Image Base: 0x7f6d0f4000, Image Size: 0x123000"  | "0.0000000"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 112 | 13:20:42,9465152 | "main.exe" | "15220" | "CloseFile"                 | "C:\Windows\System32\kernel.appcore.dll"         | "SUCCESS"  | "",   | "0.0000083"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 113 | 13:20:42,9466196 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"  | "REPARSE"   | "Desired Access: Query Value, Enumerate Sub Keys"                | "0.0000077" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 114 | 13:20:42,9466343 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\System\CurrentControlSet\Control\Session Manager"  | "SUCCESS"   | "Desired Access: Query Value, Enumerate Sub Keys"                | "0.0000044" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 115 | 13:20:42,9466453 | "main.exe" | "15220" | "RegQueryValue"             | "",  | "HKLM\System\CurrentControlSet\Control\Session Manager\ResourcePolicies"                                       | "NAME NOT FOUND"  | "Length: 24"   | "0.0000030" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 116 | 13:20:42,9466554 | "main.exe" | "15220" | "RegCloseKey"               | "",  | "HKLM\System\CurrentControlSet\Control\Session Manager"  | "SUCCESS"   | "",  | "0.0000012" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 117 | 13:20:42,9467323 | "main.exe" | "15220" | "WriteFile"                 | "D:\Documents\C++\jos_labs\2\src\build\data.txt" | "SUCCESS"  | "Offset: 0, Length: 311, Priority: Normal"  | "0.0000737"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 118 | 13:20:42,9467530 | "main.exe" | "15220" | "Thread Exit"               | "",  | "SUCCESS"  | "",   | "Thread ID: 2156, User Time: 0.0000000, Kernel Time: 0.0000000"  | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 119 | 13:20:42,9468395 | "main.exe" | "15220" | "RegQueryValue"             | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions\Default"   | "SUCCESS"   | "Type: REG_SZ, Length: 18, Data: 00060205"                       | "0.0000038" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 120 | 13:20:42,9468778 | "main.exe" | "15220" | "RegQueryValue"             | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions\0006030x"  | "SUCCESS"   | "Type: REG_SZ, Length: 26, Data: kernel32.dll"                   | "0.0000022" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 121 | 13:20:42,9469245 | "main.exe" | "15220" | "Thread Exit"               | "",  | "SUCCESS"  | "",   | "Thread ID: 15764, User Time: 0.0000000, Kernel Time: 0.0000000" | "0.0000000" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 122 | 13:20:42,9473176 | "main.exe" | "15220" | "Process Exit"              | "",  | "SUCCESS"  | "Exit Status: 0, User Time: 0.0000000 seconds, Kernel Time: 0.0000000 seconds, Private Bytes: 663 552, Peak Private Bytes: 663 552, Working Set: 4 182 016, Peak Working Set: 4 186 112"                                | "0.0000000"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 123 | 13:20:42,9473315 | "main.exe" | "15220" | "RegOpenKey"                | "",  | "HKLM\System\CurrentControlSet\Services\lsass\State\UserSettings\5-1-5-21-362520397-663208371-1183754527-1001" | "SUCCESS"   | "Desired Access: All Access"                                     | "0.0000044" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 124 | 13:20:42,9473431 | "main.exe" | "15220" | "CreateFile"                | "C:\Windows\appcache\lsysmain.sdb"               | "SUCCESS"  | "Desired Access: Generic Read, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: N, ShareMode: Read, AllocationSize: n/a, OpenResult: Opened"                                       | "0.0000178"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 125 | 13:20:42,9473550 | "main.exe" | "15220" | "RegCloseKey"               | "",  | "HKLM\System\CurrentControlSet\Services\lsass\State\UserSettings\5-1-5-21-362520397-663208371-1183754527-1001" | "SUCCESS"   | "",  | "0.0000015" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 126 | 13:20:42,9473772 | "main.exe" | "15220" | "CloseFile"                 | "D:\Documents\C++\jos_labs\2\src\build"          | "SUCCESS"  | "",   | "0.0000058"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 127 | 13:20:42,9474297 | "main.exe" | "15220" | "RegCloseKey"               | "",  | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions"   | "SUCCESS"   | "",  | "0.0000016" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 128 | 13:20:42,9475148 | "main.exe" | "15220" | "CloseFile"                 | "D:\Documents\C++\jos_labs\2\src\build\data.txt" | "SUCCESS"  | "",   | "0.0072666"  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |

## Систменные вызовы:

CreateThread - Создает поток для выполнения в виртуальном адресном пространстве вызывающего процесса.

## Lab3

|     | A                | B          | C      | D                           | E   | F   | G   | H   | I           | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |
|-----|------------------|------------|--------|-----------------------------|---|---|---|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|
| 382 | 13:22:58,4032879 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKCU\Software\Policies\Microsoft\JUI\Settings"   | "NAME NOT FOUND"  | "Desired Access: Read"  | "0.0000031" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 383 | 13:22:58,4032956 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKCU\Software\Policies\Microsoft\JUI\Settings"   | "NAME NOT FOUND"  | "Desired Access: Read"  | "0.0000031" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 384 | 13:22:58,4033079 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKCU\Software\Policies\Microsoft\JUI\Settings"   | "NAME NOT FOUND"  | "Desired Access: Read"  | "0.0000031" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 385 | 13:22:58,4033151 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKCU\Software\Policies\Microsoft\JUI\Settings"   | "NAME NOT FOUND"  | "Desired Access: Read"  | "0.0000031" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 386 | 13:22:58,4033241 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKCU\Control Panel\Desktop\LanguageConfiguration"  | "NAME NOT FOUND"  | "Desired Access: Read"  | "0.0000020" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 387 | 13:22:58,4033307 | "main.exe" | "1852" | "RegCloseKey"               | "",   | "HKCU\Control Panel\Desktop\LanguageConfiguration"  | "NAME NOT FOUND"  | "Desired Access: Read"  | "0.0000020" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 388 | 13:22:58,4038949 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders"                                 | "SUCCESS"   | "Desired Access: Query Value"   | "0.0000092" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 389 | 13:22:58,4039201 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders\Cache"                           | "SUCCESS"   | "Type: REG_SZ, Length: 120, Data: C:\Users\MegaComp\AppData\Local\Microsoft\Windows\NetCache" | "0.0000043" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 390 | 13:22:58,4039318 | "main.exe" | "1852" | "RegCloseKey"               | "",   | "HKCU\Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders"                                 | "SUCCESS"   | "",   | "0.0000014" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 391 | 13:22:58,4039424 | "main.exe" | "1852" | "QuerySecurityFile"         | "D:\Documents\C++\jos_labs\3\src\build\hld.exe" | "SUCCESS"   | "Information: Owner, Group, DACL, SACL, Label, Attribute, Process Trust Label, 0x100"   | "0.0000039"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 392 | 13:22:58,4040346 | "main.exe" | "1852" | "CreateFile"                | "C:\Windows\appcache\lsysmain.sdb"              | "SUCCESS"   | "Desired Access: Generic Read, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: N, ShareMode: Read, AllocationSize: n/a, OpenResult: Opened"                                     | "0.0000178"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 393 | 13:22:58,4040765 | "main.exe" | "1852" | "QueryBasicInformationFile" | "C:\Windows\appcache\lsysmain.sdb"              | "SUCCESS"   | "CreationTime: 13.11.2024 19:43:28, LastAccessTime: 26.12.2024 13:22:58, LastWriteTime: 13.11.2024 19:43:28, ChangeTime: 13.11.2024 22:29:25, FileAttributes: A"  | "0.0000020"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 394 | 13:22:58,4040746 | "main.exe" | "1852" | "CloseFile"                 | "C:\Windows\appcache\lsysmain.sdb"              | "SUCCESS"   | "",   | "0.0000055"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 395 | 13:22:58,4040974 | "main.exe" | "1852" | "QueryBasicInformationFile" | "D:\Documents\C++\jos_labs\3\src\build\hld.exe" | "SUCCESS"   | "CreationTime: 26.12.2024 13:22:32, LastAccessTime: 26.12.2024 13:22:58, LastWriteTime: 26.12.2024 13:22:32, FileAttributes: A"   | "0.0000011"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 396 | 13:22:58,4041456 | "main.exe" | "1852" | "CreateFile"                | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "Desired Access: Read Attributes, Disposition: Open, Options: Repeatable Print, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a, OpenResult: Opened"   | "0.0000122"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 397 | 13:22:58,4041801 | "main.exe" | "1852" | "QueryBasicInformationFile" | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "CreationTime: 18.12.2023 14:57:47, LastAccessTime: 26.12.2024 13:22:58, LastWriteTime: 18.12.2023 14:57:47, ChangeTime: 11.12.2024 6:57:23, FileAttributes: A"   | "0.0000022"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 398 | 13:22:58,4041904 | "main.exe" | "1852" | "CloseFile"                 | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "",   | "0.0000055"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 399 | 13:22:58,4042068 | "main.exe" | "1852" | "QueryBasicInformationFile" | "D:\Documents\C++\jos_labs\3\src\build\hld.exe" | "SUCCESS"   | "Data/Size/Directory, Execute/Traverse, Synchronization, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory File, Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, OpenResult: Opened" | "0.0000022"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 400 | 13:22:58,4042068 | "main.exe" | "1852" | "CreateFileMapping"         | "C:\Windows\System32\kernel.appcore.dll"        | "FILE LOCKED WITH ONLY READERS"   | "SyncType: SyncType/readSection, PageProtection: PAGE_EXECUTE_READWRITE"  | "0.0000029"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 401 | 13:22:58,4042068 | "main.exe" | "1852" | "CreateFileMapping"         | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "SyncType: SyncType/other, PageProtection: PAGE_EXECUTE_READWRITE"  | "0.0000012"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 402 | 13:22:58,4042191 | "main.exe" | "1852" | "Load Image"                | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "Image Base: 0x7f6c0000, Image Size: 0x000000"  | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 403 | 13:22:58,4042191 | "main.exe" | "1852" | "Load Image"                | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "Image Base: 0x7f6c0000, Image Size: 0x000000"  | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 404 | 13:22:58,4042191 | "main.exe" | "1852" | "Load Image"                | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "Image Base: 0x7f6c0000, Image Size: 0x000000"  | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 405 | 13:22:58,4042408 | "main.exe" | "1852" | "CloseFile"                 | "C:\Windows\System32\kernel.appcore.dll"        | "SUCCESS"   | "",   | "0.0000084"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 406 | 13:22:58,4042548 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\Repairs"   | "Desired Access: Query Value, Enumerate Sub Keys"   | "0.0000053"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 407 | 13:22:58,4042551 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"   | "SUCCESS"   | "Desired Access: Query Value, Enumerate Sub Keys"   | "0.0000043" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 408 | 13:22:58,4042566 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager\ResourcePolicies"                                | "NAME NOT FOUND"  | "Length: 24"  | "0.0000026" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 409 | 13:22:58,4042574 | "main.exe" | "1852" | "RegOpenKey"                | "",   | "HKLM\SYSTEM\CurrentControlSet\Control\Session Manager"   | "SUCCESS"   | "",   | "0.0000012" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 410 | 13:22:58,4042613 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 16256, User Time: 0.0000000, Kernel Time: 0.0156250"  | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 411 | 13:22:58,4042617 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 3972, User Time: 0.0000000, Kernel Time: 0.0000000"   | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 412 | 13:22:58,4042693 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 2404, User Time: 0.0000000, Kernel Time: 0.0000000"   | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 413 | 13:22:58,4042741 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Control\Notifications\418A073AA83B075"                                   | "BUFFER TOO SMALL"  | "Length: 0"   | "0.0000039" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 414 | 13:22:58,4042762 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Control\Notifications\418A073AA83B075"                                   | "SUCCESS"   | "Type: REG_BINARY, Length: 364, Data: 01 04 80 00 00 00 00 00 00 00 00 00 00 00 00 00"        | "0.0000045" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 415 | 13:22:58,4042818 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 2848, User Time: 0.0156250, Kernel Time: 0.0312500"   | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 416 | 13:22:58,4042956 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 1036, User Time: 0.0000000, Private Bytes: 1 036 288, Peak Private Bytes: 1 036 288, Working Set: 5 091 328, Peak Working Set: 5 091 328"   | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 417 | 13:22:58,4043147 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 151, User Time: 0.0156250, Kernel Time: 0.0468750"  | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 418 | 13:22:58,4043147 | "main.exe" | "1852" | "Thread Exit"               | "",   | "SUCCESS"   | "Thread ID: 151, User Time: 0.0156250, Kernel Time: 0.0468750"  | "0.0000000"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 419 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 420 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 421 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 422 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 423 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 424 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 425 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 426 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 427 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 428 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 429 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 430 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 431 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 432 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 433 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 434 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 435 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
| 436 | 13:22:58,4043027 | "main.exe" | "1852" | "RegQueryValue"             | "",   | "HKLM\SYSTEM\CurrentControlSet\Services\Win\State\UserSettings\1-5-1-362520397-66320871-118374557-1001" | "Desired Access: All Access"  | "0.0000049"   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |
|     |                  |            |        |                             |   |   |   |   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |



ReadFile - Считывает данные из указанного файла или устройства ввода-вывода (ввода-вывода).

UnmapViewOfFile - Отменяет сопоставление сопоставленного представления файла из адресного пространства вызывающего процесса.

# Lab4

|     | A                 | B          | C | D       | E  | F | G  | H         | I                               | J   | K   | L            | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB | AC | AD |  |  |
|-----|-------------------|------------|---|---------|--|---|--|-----------|---------------------------------|---|---|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|----|--|--|
| 270 | 13:25:23.4765247, | "exec.exe" | : | "13044" | , "RegQueryValue"                            | , | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions\Default"         | ,         | "SUCCESS"                       | ,   | Type: REG_SZ, Length: 18, Data: 00060305",  | "0.0000036"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 271 | 13:25:23.4765335, | "exec.exe" | : | "13044" | , "RegQueryValue"                            | , | "HKLM\System\CurrentControlSet\Control\Nls\Sorting\Versions\00060305"        | ,         | "SUCCESS"                       | ,   | Type: REG_SZ, Length: 26, Data: kernel32.dll",  | "0.0000018"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 272 | 13:25:23.4767815, | "exec.exe" | : | "13044" | , "QueryNameInformation"                     | , | "D:\Documents<+>.vols_labs\fsr\bulk\beta\contract.d"                         | ,         | "SUCCESS"                       | ,   | Name: Documents<+>.vols_labs\fsr\bulk\β\w.exe",   | "0.0000066"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 273 | 13:25:23.4769041, | "exec.exe" | : | "13044" | , "QueryOpenFile"                            | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "SUCCESS"                       | ,   | CreationTime: 26.12.2024 13:24:47, ChangeTime: 26.12.2024 13:24:47, LastAccessTime: 26.12.2024 13:24:47, LastWriteTime: 26.12.2024 13:24:47, FileAttributes: 65 536, EndOfFile: 65 536, FileSize:   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 274 | 13:25:23.4769491, | "exec.exe" | : | "13044" | , "CreateFile"                               | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "SUCCESS"                       | ,   | Desired Access: Read Data List Directory, Execute/Traverse, Synchronize, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory file, Attributes: n/a, ShareMode: Read, Delete, Allocation   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 275 | 13:25:23.4769639, | "exec.exe" | : | "13044" | , "CreateFileMapping"                        | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "FILE LOCKED WITH ONLY READERS" | ,   | SynType: SynTypeCreationSection, PageProtection: PAGE_EXECUTE_READWRITE",   | "0.0000023"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 276 | 13:25:23.4770039, | "exec.exe" | : | "13044" | , "QueryStandardInformation"                 | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "SUCCESS"                       | ,   | AllocationSize: 65 536, EndOfFile: 65 536, NumberOfLinks: 1, DeletePending: false, Factory: false",   | "0.0000016"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 277 | 13:25:23.4770719, | "exec.exe" | : | "13044" | , "CreateFileMapping"                        | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "SUCCESS"                       | ,   | SynType: SynTypeOther",   | "0.0000014"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 278 | 13:25:23.4771047, | "exec.exe" | : | "13044" | , "Load Image"                               | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "SUCCESS"                       | ,   | Image Base: 0x7f6d970000, Image Size: 0x07007",   | "0.0000000"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 279 | 13:25:23.4772143, | "exec.exe" | : | "13044" | , "CloseFile"                                | , | "D:\Documents<+>.vols_labs\fsr\bulk\β\contract.d"                            | ,         | "SUCCESS"                       | ,   |   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 280 | 13:25:51.3300072, | "exec.exe" | : | "13044" | , "C:\Compilers\mingw64\bin\libstdc++-6.dll" | , | "",  | "SUCCESS" | ,                               | Offset: 435 200, Length: 4 096, I/O Flags: Non-cached, Paging I/O, Synchronous Paging I/O, Priority: Normal", | "0.0000240"   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 281 | 13:25:51.3301046, | "exec.exe" | : | "13044" | , "ReadFile"                                 | , | "C:\Compilers\mingw64\bin\libstdc++-6.dll"                                   | ,         | "SUCCESS"                       | ,   | Offset: 435 200, Length: 32 768, I/O Flags: Non-cached, Paging I/O, Synchronous Paging I/O, Priority: Normal",  | "0.0000026"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 282 | 13:25:51.3312771, | "exec.exe" | : | "13044" | , "ReadFile"                                 | , | "C:\Compilers\mingw64\bin\libstdc++-6.dll"                                   | ,         | "SUCCESS"                       | ,   | Offset: 414 720, Length: 4 096, I/O Flags: Non-cached, Paging I/O, Synchronous Paging I/O, Priority: Normal",   | "0.0001463"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 283 | 13:25:51.334301,  | "exec.exe" | : | "13044" | , "ReadFile"                                 | , | "C:\Compilers\mingw64\bin\libstdc++-6.dll"                                   | ,         | "SUCCESS"                       | ,   | Offset: 414 720, Length: 20 480, I/O Flags: Non-cached, Paging I/O, Synchronous Paging I/O, Priority: Normal",  | "0.00002399" |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 284 | 13:25:51.3570147, | "exec.exe" | : | "13044" | , "Thread Exit"                              | , | "",  | "SUCCESS" | ,                               | Thread ID: 12952, User ID: 0.000000, Kernel Time: 0.0156259",   | "0.0000000"   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 285 | 13:25:51.3570147, | "exec.exe" | : | "13044" | , "Thread Exit"                              | , | "",  | "SUCCESS" | ,                               | Thread ID: 61572, User ID: 0.000000, Kernel Time: 0.0000000",   | "0.0000000"   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 286 | 13:26:23.4682449, | "exec.exe" | : | "13044" | , "Thread Exit"                              | , | "",  | "SUCCESS" | ,                               | Thread ID: 15980, User ID: 0.000000, Kernel Time: 0.0156250",   | "0.0000000"   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 287 | 13:26:23.5007148, | "exec.exe" | : | "13044" | , "CreateFile"                               | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   | Desired Access: Read Attributes, Disposition: Open, Options: Open Reparse Point, Attributes: n/a, ShareMode: Read, Write, Delete, AllocationSize: n/a, OpenExFlags: Opened",  | "0.0000134"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 288 | 13:26:23.5007362, | "exec.exe" | : | "13044" | , "QueryBasicInformation"                    | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   | CreationTime: 18.12.2023 14:57:47, LastAccessTime: 26.12.2024 13:26:22, LastWriteTime: 18.12.2023 14:57:47, ChangeTime: 11.12.2024 6:57:23, FileAttributes: n/a, OpenMode: 0",  | "0.0000002"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 289 | 13:26:23.5008395, | "exec.exe" | : | "13044" | , "CreateFile"                               | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   | Desired Access: Read Data List Directory, Execute/Traverse, Synchronize, Disposition: Open, Options: Synchronous IO Non-Alert, Non-Directory file, Attributes: n/a, ShareMode: Read, Delete, AllocationSize: n/a, Op  |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 290 | 13:26:23.5008789, | "exec.exe" | : | "13044" | , "CreateFileMapping"                        | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "FILE LOCKED WITH ONLY READERS" | ,   | SynType: SynTypeCreationSection, PageProtection: PAGE_EXECUTE_READWRITE",   | "0.0000033"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 291 | 13:26:23.5008789, | "exec.exe" | : | "13044" | , "CreateFileMapping"                        | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   | SynType: SynTypeOther",   | "0.0000011"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 292 | 13:26:23.5010223, | "exec.exe" | : | "13044" | , "Load Image"                               | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   | Image Base: 0x7f6cc00000, Image Size: 0x12000",   | "0.0000000"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 293 | 13:26:23.5011508, | "exec.exe" | : | "13044" | , "Load Image"                               | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   | Image Base: 0x7f6d970000, Image Size: 0x0c000",   | "0.0000000"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 294 | 13:26:23.5012262, | "exec.exe" | : | "13044" | , "Thread Create"                            | , | "",  | "SUCCESS" | ,                               | Thread ID: 17288",  | "0.0000000"   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 295 | 13:26:23.5013318, | "exec.exe" | : | "13044" | , "Load Image"                               | , | "C:\Windows\System32\lpchd.dll"  | ,         | "SUCCESS"                       | ,   | Image Base: 0x7f6fd40000, Image Size: 0x123000",  | "0.0000000"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 296 | 13:26:23.5014431, | "exec.exe" | : | "13044" | , "CloseFile"                                | , | "C:\Windows\System32\kernel.appcore.dll"                                     | ,         | "SUCCESS"                       | ,   |   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 297 | 13:26:23.5015455, | "exec.exe" | : | "13044" | , "RegOpenKey"                               | , | "HKLM\System\CurrentControlSet\Control\Session Manager"                      | ,         | "REPARSE"                       | ,   | Desired Access: Query Value, Enumerate Sub Key",  | "0.0000003"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 298 | 13:26:23.5015600, | "exec.exe" | : | "13044" | , "RegOpenKey"                               | , | "HKLM\System\CurrentControlSet\Control\Session Manager"                      | ,         | "SUCCESS"                       | ,   | Desired Access: Query Value, Enumerate Sub Key",  | "0.0000015"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 299 | 13:26:23.5015714, | "exec.exe" | : | "13044" | , "RegQueryValue"                            | , | "HKLM\System\CurrentControlSet\Control\Session Manager\BackupRestore\Policy" | ,         | "NOT FOUND"                     | ,   | Length: 24",  | "0.0000029"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 300 | 13:26:23.5015801, | "exec.exe" | : | "13044" | , "RegOpenKey"                               | , | "HKLM\System\CurrentControlSet\Control\Session Manager"                      | ,         | "SUCCESS"                       | ,   | "",   | "0.0000011"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 301 | 13:26:23.5015801, | "exec.exe" | : | "13044" | , "RegOpenKey"                               | , | "HKLM\System\CurrentControlSet\Control\Session Manager"                      | ,         | "SUCCESS"                       | ,   | "",   | "0.0000011"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 302 | 13:26:23.5016576, | "exec.exe" | : | "13044" | , "Thread Exit"                              | , | "",  | "SUCCESS" | ,                               | Thread ID: 17288, User ID: 0.000000, Kernel Time: 0.0000000",   | "0.0000000"   |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 303 | 13:26:23.5017074, | "exec.exe" | : | "13044" | , "RegQueryValue"                            | , | "HKLM\System\CurrentControlSet\Control\Notifications\418AD73AAB38075"        | ,         | "BUFFER TOO SMALL"              | ,   | Length: 0",   | "0.0000000"  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |
| 304 | 13:26:23.5017474, | "exec.exe" | : | "13044" | , "RegQueryValue"                            | , | "HKLM\System\CurrentControlSet\Control\Notifications\418AD73AAB38075"        | ,         | "SUCCESS"                       | ,   | Image: REG_BINARY, Length: 365, Data: 01 04 80 0 |              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |    |  |  |

## Системные вызовы:

**LoadLibrary** -Загружает указанный модуль в адресное пространство вызывающего процесса. Указанный модуль может привести к загрузке других модулей.

**GetProcAddress** - Извлекает адрес экспортируемой функции (также называемой процедурой) или переменной из указанной библиотеки динамической компоновки (DLL).

Lab5-7

[illegible]

Системные вызовы:

connect - Функция connect соединяет сокет с конечной точкой и затем принимает входящие соединения на этой конечной точке.

send - поставит в очередь на сокет часть сообщения, созданную из аргумента buffer.

recv - получает часть сообщения от сокета и сохранить его в аргументе buffer.

## **Выводы**

Проделав работу, я приобрел практические навыки, необходимые для работы с утилитой Process Monitor, а также повторил все виды системных вызовов, использованных в лабораторных работах, сделанных в течение курса.