

1. help – выводит список команд.

```
C:\Users\gnevn>help
For more information on a specific command, type HELP command-name
ASSOC          Displays or modifies file extension associations.
ATTRIB         Displays or changes file attributes.
BREAK          Sets or clears extended CTRL+C checking.
BCDEDIT        Sets properties in boot database to control boot loading.
CACLS          Displays or modifies access control lists (ACLs) of files.
CALL           Calls one batch program from another.
CD             Displays the name of or changes the current directory.
CHCP           Displays or sets the active code page number.
CHDIR          Displays the name of or changes the current directory.
CHKDSK         Checks a disk and displays a status report.
CHKNTFS        Displays or modifies the checking of disk at boot time.
CLS           Clears the screen.
CMD            Starts a new instance of the Windows command interpreter.
COLOR          Sets the default console foreground and background colors.
COMP           Compares the contents of two files or sets of files.
COMPACT        Displays or alters the compression of files on NTFS partitions.
CONVERT        Converts FAT volumes to NTFS. You cannot convert the
               current drive.
```

2. dir – выводит список файлов и папок в текущей директории.

```
C:\Users\gnevn>dir
Volume in drive C has no label.
Volume Serial Number is CEF7-E83A
```

Directory of C:\Users\gnevn

11/02/2024	05:45 PM	<DIR>	.
07/02/2024	02:06 PM	<DIR>	..
17/04/2023	11:17 PM	<DIR>	.android
11/02/2024	05:45 PM		103 .bash_history
03/04/2023	12:09 PM	<DIR>	.config
14/02/2024	01:40 PM	<DIR>	.docker
30/10/2023	08:40 PM	<DIR>	.dotnet
23/12/2023	12:12 AM	<DIR>	.equo
17/02/2023	05:11 PM		177 .gitconfig
24/06/2023	03:41 PM	<DIR>	.insomniac
27/04/2023	01:11 AM	<DIR>	.Ld9VirtualBox
18/09/2023	07:36 PM		20 .lessht
20/11/2023	06:17 PM	<DIR>	.matplotlib
26/04/2023	11:49 PM		78 .node_repl_history
04/10/2023	10:34 PM	<DIR>	.nuget
11/02/2024	05:40 PM	<DIR>	.ssh
04/10/2023	10:31 PM	<DIR>	.templateengine
14/09/2023	07:50 PM	<DIR>	.thumbnails
20/02/2024	12:20 PM	<DIR>	.VirtualBox
14/06/2023	04:29 PM	<DIR>	.vscode
14/01/2023	09:38 PM	<DIR>	ansel
14/01/2023	05:42 PM	<DIR>	Contacts
18/09/2023	07:37 PM	<DIR>	demo-repository
27/11/2023	10:40 AM	<DIR>	Doctor Web
24/06/2023	11:12 PM	<DIR>	Documents
18/02/2024	11:31 PM	<DIR>	Downloads
29/06/2023	03:13 PM		12,139 ex-list
14/01/2023	05:42 PM	<DIR>	Favorites
23/12/2023	06:11 AM	<DIR>	knime-workspace
14/01/2023	05:42 PM	<DIR>	Links
14/01/2023	05:42 PM	<DIR>	Music
14/06/2023	06:57 PM	<DIR>	My project
20/02/2024	11:27 AM	<DIR>	OneDrive
27/12/2023	09:45 PM	<DIR>	Saved Games
14/01/2023	05:58 PM	<DIR>	Searches
03/06/2023	06:48 PM	<DIR>	source

3. `cd __` - переходит в выбранную директорию.

```
C:\Users\gnevn>cd demo-repository  
C:\Users\gnevn\demo-repository>|
```

4. `tree` – показывает дерево директории.

```
C:\Users\gnevn\demo-repository>tree  
Folder PATH listing  
Volume serial number is CEF7-E83A  
C:.  
├── folder  
  
C:\Users\gnevn\demo-repository>cd ../  
  
C:\Users\gnevn>cd .docker  
  
C:\Users\gnevn\.docker>tree  
Folder PATH listing  
Volume serial number is CEF7-E83A  
C:.  
├── buildx  
│   ├── activity  
│   ├── defaults  
│   └── instances  
├── contexts  
│   └── meta  
│       └── fe9c6bd7a66301f49ca9b6a70b217107cd1284598bfc254700c989b916da791e  
├── desktop-build  
├── scout  
│   └── sbom  
│       └── sha256  
│           ├── 738c356409370f983e913d2b252deabe969dfa2fa666a6f0fa94ca8ea20b0224  
│           └── ba6b635d3b6bac04e4933b9f00745dcab253da0a5a0a293c09bae043292af073
```

5. `time` – показывает время системы.

```
C:\Users\gnevn\.docker>time  
The current time is: 12:41:08.98
```

6. date – показывает дату системы.

```
C:\Users\gnevn\.docker>date
The current date is: 20/02/2024
Enter the new date: (dd-mm-yy)
```

7. systeminfo - Выводит подробную информацию о системе, включая имя компьютера, операционную систему, версию и многое другое.

```
C:\Users\gnevn>systeminfo

Host Name:                PMСТАМРАНУВ
OS Name:                   Майкрософт Windows 11 Домашняя
OS Version:               10.0.22631 N/A Build 22631
OS Manufacturer:         Microsoft Corporation
OS Configuration:        Standalone Workstation
OS Build Type:             Multiprocessor Free
Registered Owner:         gnevnov1996@mail.ru
Registered Organization:
Product ID:                00326-10000-00000-AA150
Original Install Date:    14/01/2023, 7:09:51 PM
System Boot Time:         26/02/2024, 5:21:09 PM
System Manufacturer:      LENOVO
System Model:              82K2
System Type:               x64-based PC
Processor(s):              1 Processor(s) Installed.
                          [01]: AMD64 Family 25 Model 80 Stepping 0 AuthenticAMD ~3301 Mhz
BIOS Version:              LENOVO H3CN39WW(V2.09), 31/05/2023
Windows Directory:        C:\Windows
System Directory:          C:\Windows\system32
Boot Device:               \Device\HarddiskVolume1
System Locale:              ru;Russian
Input Locale:              ru;Russian
Time Zone:                 (UTC+03:00) Moscow, St. Petersburg
Total Physical Memory:     15,212 MB
Available Physical Memory: 8,154 MB
Virtual Memory: Max Size:  19,820 MB
Virtual Memory: Available: 9,237 MB
Virtual Memory: In Use:    10,583 MB
```

8. color _ - меняет цвет текста терминала.

```
C:\Users\gnevn>color 2
```

9. ipconfig - Отображает информацию о конфигурации сетевых интерфейсов, IP-адресах и другие сетевые параметры.

```

C:\Users\gnevn>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 2:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::a127:fbdc:6572:1d07%3
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

Wireless LAN adapter Подключение по локальной сети* 9:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

Wireless LAN adapter Подключение по локальной сети* 10:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

Wireless LAN adapter Беспроводная сеть:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::9c66:b168:e2df:6509%13
    IPv4 Address. . . . . : 192.168.88.175
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.88.1

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : Dlink

```

10. driverquery – выводит список всех драйверов установленных на компьютере

C:\Users\gnevn>driverquery

Module Name	Display Name	Driver Type	Link Date
1394ohci	1394 OHCI-совмес	Kernel	
3ware	3ware	Kernel	19/05/2015 1:28:03 AM
ACPI	Драйвер Microso	Kernel	
AcpiDev	Драйвер уст	Kernel	
acpiex	Microsoft ACPIEx Drive	Kernel	
acpipagr	Драйвер agr	Kernel	
AcpiPmi	Драйвер уст	Kernel	
acpitime	Драйвер ACPI Wa	Kernel	
ACPIVPC	Lenovo Virtual Power C	Kernel	11/07/2022 3:05:48 PM
Acx01000	Acx01000	Kernel	
ADP80XX	ADP80XX	Kernel	09/04/2015 11:49:48 PM
AFD	Драйвер доп	Kernel	
afunix	afunix	Kernel	
ahcache	Application Compatibil	Kernel	
amdacpbu	Audio Coprocessr Drive	Kernel	18/05/2023 12:36:38 AM
amdfendr	AMD Crash Defender Dri	Kernel	17/05/2022 1:08:05 AM
amdfendrmgr	AMD Crash Defender Man	Kernel	17/05/2022 1:08:25 AM
amdgpio2	AMD GPIO Client Driver	Kernel	11/03/2020 2:15:48 PM
amdi2c	AMD I2C Controller Ser	Kernel	17/04/2023 12:39:23 PM
AmdK8	AMD K8 драйвер	Kernel	
AmdPPM	Драйвер про	Kernel	
amdpsp	AMD PSP Service	Kernel	01/08/2023 9:48:48 PM
AMDRyzenMast	AMDRyzenMasterDriverV1	Kernel	25/06/2021 8:21:58 AM
AMDSAFD	AMDSAFD	Kernel	18/08/2022 8:51:33 AM
amdsata	amdsata	Kernel	14/05/2015 3:14:52 PM
amdsbs	amdsbs	Kernel	12/12/2012 12:21:44 AM
amdwdmg	amdwdmg	Kernel	07/04/2023 8:00:36 AM
amdxata	amdxata	Kernel	01/05/2015 3:55:35 AM
AMDXE	AMD Link Controller Em	Kernel	19/04/2022 11:22:21 PM
AppID	Драйвер AppID	Kernel	
AppleSSD	Твердотельн	Kernel	12/11/2019 12:24:17 AM
applockerflt	Драйвер фил	Kernel	
arcsas	Adaptec SAS/SATA-II RA	Kernel	09/04/2015 10:12:07 PM
AsyncMac	Драйвер аси	Kernel	
atapi	Канал IDE	Kernel	
AtiHDAudioSe	AMD Function Driver fo	Kernel	13/09/2022 9:22:21 PM
axscsibus	Alcohol Soft Virtual S	Kernel	03/01/2015 3:55:55 AM
b06bdrv	Сетевой ада	Kernel	25/05/2016 10:03:08 AM
bam	Background Activity Mo	Kernel	
BasicDisplay	BasicDisplay	Kernel	
BasicRender	BasicRender	Kernel	
bcmfn2	bcmfn2 Service	Kernel	01/11/2016 5:09:15 AM
Beep	Beep	Kernel	
bfs	Файловая си	File System	
bindflt	Windows Bind Filter Dr	File System	
bowser	Браузер	File System	

11. wmic product get name – показывает все программы установленные на компьютере.

```
C:\Users\gnevn>wmic product get name,version
Name                                     Version
Python 3.12.2 Standard Library (64-bit) 3.12.2150.0
Python 3.12.2 Executables (64-bit)      3.12.2150.0
Python 3.12.2 Test Suite (64-bit)       3.12.2150.0
Python 3.12.2 Tcl/Tk Support (64-bit)    3.12.2150.0
Python 3.12.2 Documentation (64-bit)     3.12.2150.0
Python 3.12.2 Add to Path (64-bit)       3.12.2150.0
Python 3.12.2 pip Bootstrap (64-bit)     3.12.2150.0
Python 3.12.2 Development Libraries (64-bit) 3.12.2150.0
Python 3.12.2 Core Interpreter (64-bit)  3.12.2150.0
Office 16 Click-to-Run Extensibility Component 16.0.14332.20637
Office 16 Click-to-Run Localization Component 16.0.14332.20624
Office 16 Click-to-Run Licensing Component 16.0.14332.20637
MSI Development Tools                   10.1.22621.2428
Windows SDK Desktop Headers x64         10.1.22621.2428
Microsoft .NET Host FX Resolver – 8.0.0 (x64) 64.0.4211
Microsoft ASP.NET Core 8.0.0 Shared Framework (x86) 8.0.0.23531
WinRT Intellisense IoT – Other Languages 10.1.22621.2428
vs_FileTracker_Singleton                17.8.34205
MySQL Workbench 8.0 CE                  8.0.36
Universal CRT Tools x64                 10.1.22621.2428
WinRT Intellisense UAP – en-us          10.1.22621.2428
Windows Subsystem for Linux             2.0.14.0
Microsoft Server Speech Recognition Language – TELE (en-IN) 11.0.7400.335
Microsoft.NET.Sdk.Maui.Manifest-7.0.100 (x64) 7.0.49
Microsoft.NET.Sdk.Maui.Manifest-8.0.100 (x64) 8.0.3
Microsoft Visual C++ 2005 Redistributable – x86 8.0.50727.4053 False 8.0.50727.4053
Microsoft .NET Runtime – 6.0.27 (x64)     48.108.8828
Microsoft .NET Framework 4.7.1 Doc Redirected Targeting Pack (ENU) (русский) 4.7.02558
Microsoft .NET Runtime – 7.0.16 (x64)     56.64.8781
Microsoft .NET AppHost Pack – 7.0.16 (x64) 56.64.8781
Microsoft Visual C++ 2008 Redistributable – x64 9.0.30729.4148 False 9.0.30729.4148
Microsoft Visual C++ 2013 x86 Minimum Runtime – 12.0.40660 False 12.0.40660
Kinect for Windows Speech Recognition Language Pack (en-GB) 11.0.7400.336
Microsoft .NET Runtime – 8.0.0 (x86)     64.0.4211
Microsoft Visual C++ 2008 Redistributable – x64 9.0.21022 False 9.0.21022
Windows SDK EULA                       10.1.22621.2428
Microsoft .NET CoreRuntime For CoreCon  1.0.0.0
```

12. tasklist - Отображает список текущих процессов с их идентификаторами.

```
C:\Users\gnevn>tasklist
```

Image Name	PID	Session Name	Session#	Mem Usage
System Idle Process	0	Services	0	8 K
System	4	Services	0	3,336 K
Registry	168	Services	0	56,916 K
smss.exe	660	Services	0	1,180 K
csrss.exe	1032	Services	0	6,228 K
wininit.exe	1188	Services	0	7,344 K
services.exe	1328	Services	0	16,356 K
lsass.exe	1348	Services	0	57,308 K
svchost.exe	1476	Services	0	65,656 K
fontdrvhost.exe	1520	Services	0	2,912 K
WUDFHost.exe	1556	Services	0	5,908 K
svchost.exe	1656	Services	0	28,344 K
svchost.exe	1712	Services	0	21,844 K
WUDFHost.exe	1744	Services	0	5,760 K
svchost.exe	1936	Services	0	36,180 K
svchost.exe	1948	Services	0	18,556 K
svchost.exe	892	Services	0	17,328 K
svchost.exe	1388	Services	0	34,740 K
svchost.exe	1368	Services	0	23,176 K
svchost.exe	1404	Services	0	20,140 K
svchost.exe	1676	Services	0	44,536 K
svchost.exe	2124	Services	0	31,384 K
svchost.exe	2188	Services	0	20,224 K
svchost.exe	2196	Services	0	18,732 K
svchost.exe	2204	Services	0	34,324 K
svchost.exe	2256	Services	0	14,036 K
svchost.exe	2472	Services	0	14,568 K
svchost.exe	2540	Services	0	18,280 K
svchost.exe	2744	Services	0	18,108 K
svchost.exe	2772	Services	0	29,792 K
svchost.exe	2780	Services	0	19,476 K
NVDisplay.Container.exe	2884	Services	0	35,032 K
svchost.exe	3028	Services	0	18,132 K
svchost.exe	2504	Services	0	30,224 K
amdfendrsr.exe	2444	Services	0	7,324 K
atiesrxx.exe	2164	Services	0	6,604 K
svchost.exe	3156	Services	0	16,984 K

13. wmic diskdrive get status - Показывает статус жестких дисков.

```
C:\Users\gnevn>wmic diskdrive get status
Status
OK
OK
```

14. wmic memorychip get capacity - Выводит информацию о размере установленной памяти.


```
C:\Users\gnev>wmic memorychip get capacity
Capacity
8589934592
8589934592
```

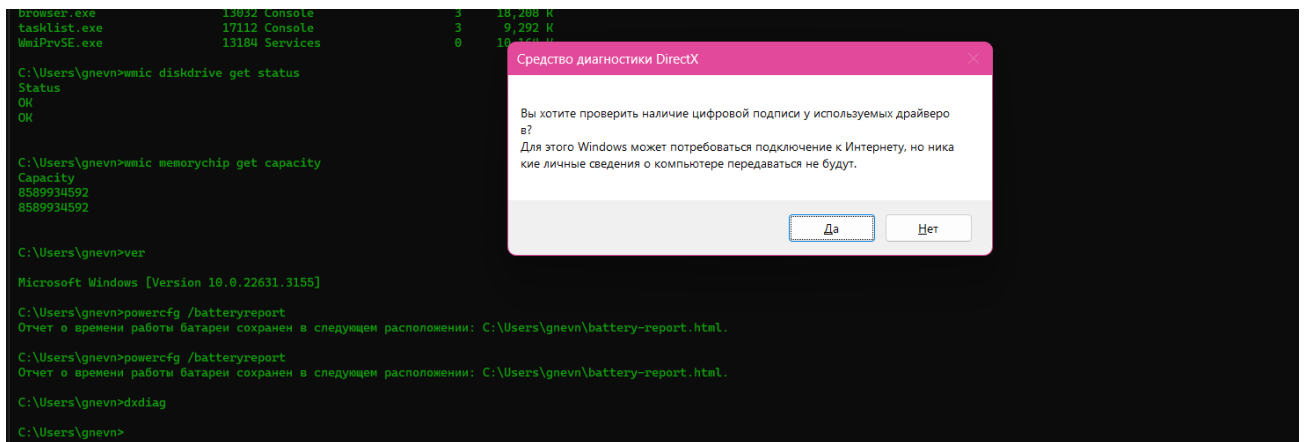
15. ver - Показывает версию операционной системы.

```
C:\Users\gnev>ver
Microsoft Windows [Version 10.0.22631.3155]
```

16. powercfg /batteryreport - Генерирует отчет о состоянии батареи.

```
C:\Users\gnev>powercfg /batteryreport
Отчет о времени работы батареи сохранен в следующем расположении: C:\Users\gnev\battery-report.html.
```

17. dxdiag - Запускает инструмент для диагностики DirectX, включая информацию о видеокарте.



18. set - Выводит все переменные среды, включая пути к исполняемым файлам и другую информацию.

```
C:\Users\gnev>set
ALLUSERSPROFILE=C:\ProgramData
APPDATA=C:\Users\gnev\AppData\Roaming
CommonProgramFiles=C:\Program Files\Common Files
CommonProgramFiles(x86)=C:\Program Files (x86)\Common Files
CommonProgramW6432=C:\Program Files\Common Files
COMPUTERNAME=PMCTAMPAHUB
ComSpec=C:\Windows\system32\cmd.exe
DriverData=C:\Windows\System32\Drivers\DriverData
EFC_16920=1
HOMEDRIVE=C:
HOMEPATH=\Users\gnev
LOCALAPPDATA=C:\Users\gnev\AppData\Local
LOGONSERVER=\\PMCTAMPAHUB
NUMBER_OF_PROCESSORS=12
OneDrive=C:\Users\gnev\OneDrive
OneDriveConsumer=C:\Users\gnev\OneDrive
OS=Windows_NT
Path=C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Windows\System32\OpenSSH\;C:\Program Files\NVIDIA Corporation\NVIDIA NvD
LTSR;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\msys64\mingw64\bin;C:\Program Files\Git\cmd;C:\Program Files\dotnet\;C:\Program Files (x86)\Windows P
erformance Toolkit;C:\Program Files\Docker\DockerResources\bin;C:\Program Files\nodejs\;C:\Users\gnev\AppData\Local\Programs\Python\Python312\Scripts\;C:\Users\gnev\AppData\Loc
al\Programs\Python\Python312\;C:\Users\gnev\AppData\Roaming\dotnet;C:\Users\gnev\AppData\Local\Microsoft\WindowsApps;C:\Users\gnev\AppData\Local\Programs\Microsoft VS Code\bin;
C:\Users\gnev\AppData\Local\GitHubDesktop\bin;C:\Users\gnev\.dotnet\tools;C:\msys64\ucrt64\bin;C:\Users\gnev\AppData\Roaming\npm
PATHEXT=.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTURE=AMD64
PROCESSOR_IDENTIFIER=AMD64 Family 25 Model 80 Stepping 0, AuthenticAMD
PROCESSOR_LEVEL=25
PROCESSOR_REVISION=5000
ProgramData=C:\ProgramData
ProgramFiles=C:\Program Files
ProgramFiles(x86)=C:\Program Files (x86)
ProgramW6432=C:\Program Files
PROMPT=$P$G
PSModulePath=C:\Program Files\WindowsPowerShell\Modules;C:\Windows\system32\WindowsPowerShell\v1.0\Modules
PUBLIC=C:\Users\Public
SESSIONNAME=Console
SystemDrive=C:
SystemRoot=C:\Windows
TEMP=C:\Users\gnev\AppData\Local\Temp
```

19. net user - Показывает список всех пользователей в системе.

```
C:\Users\gnev>net user

User accounts for \\PMCTAMPAHUB

-----
DefaultAccount          gnev          John
WDAGUtilityAccount      Администратор Гость
The command completed successfully.
```

20. slc – очищает командную строку

```
C:\Users\gnev>cls|
```