

# Отчет ОССТ лаб 3

## Задание 4

Поиск jpg файлов в каталоге Windows и сохранение в txt

```
PS C:\Users\lenovo\Documents\nanka\ООСТ\ОССТ3> Get-ChildItem C:\Windows -Recurse -Include *.bmp, *.jpg | Measure-Object -Property Length -Sum | Select-Object Sum
```

```
Каталог: C:\Windows\WinSxS\x86_netfx-aspnet_webadmin_images_b03f5f7f11d50a3a_10.0.22621.1_none_4ab2cf91d9991cd9

Mode                LastWriteTime         Length Name
----                -
-a----             09.03.2023   19:01           22500 ASPdotNET_logo.jpg

Каталог: C:\Windows\SoftwareDistribution\Download\cd5a54e6c4bc3d2206af12c8fd40fa60\Microsoft-Windows-EditionPack-Core-Package~amd64~10.0.26100.1\amd64_netfx4-aspnet_webadmin_images_b03f5f7f11d50a3a_4.0.15912.0_none_34e75507b760b6ac

Mode                LastWriteTime         Length Name
----                -
-a----             01.04.2024    1:16           22500 aspdotnet_logo.jpg

Каталог: C:\Windows\WinSxS\x86_netfx4-aspnet_webadmin_images_b03f5f7f11d50a3a_4.0.15912.0_none_7c948bdecdbdcfb2

Mode                LastWriteTime         Length Name
----                -
-a----             07.05.2022    8:20           22500 ASPdotNET_logo.jpg

Каталог: C:\Windows\Microsoft.NET\Framework64\v2.0.50727\ASP.NETWebAdminFiles\Images

Mode                LastWriteTime         Length Name
----                -
-a----             09.03.2023   19:01           22500 ASPdotNET_logo.jpg

Каталог: C:\Windows\Microsoft.NET\Framework64\v4.0.30319\ASP.NETWebAdminFiles\Images

Mode                LastWriteTime         Length Name
----                -
-a----             07.05.2022    8:22           22500 ASPdotNET_logo.jpg

Каталог: C:\Windows\WinSxS\amd64_netfx-aspnet_webadmin_images_b03f5f7f11d50a3a_10.0.22621.1_none_030598bac51cf3d3

Mode                LastWriteTime         Length Name
----                -
-a----             09.03.2023   19:01           22500 ASPdotNET_logo.jpg

Каталог: C:\Windows\WinSxS\amd64_netfx4-aspnet_webadmin_images_b03f5f7f11d50a3a_4.0.15912.0_none_34e75507b760b6ac
```

## Задание 5

Вывести на экран кол-во процессов и записать в файл

```
PS C:\Users\lenovo\Documents\nanka\ООСТ\ОССТ3> Get-Process | Tee-Object -FilePath tusk5.txt | Out-Null
PS C:\Users\lenovo\Documents\nanka\ООСТ\ОССТ3> (Get-Process).Count
260
```

Handles	NPM(K)	PM(K)	WS(K)	CPU(s)	Id	SI	ProcessName
-----	-----	-----	-----	-----	--	--	-----
182	12	2104	9252	0,00	16816	3	AdobeIPCBroker
182	11	1572	8532		5176	0	AdobeUpdateService
243	13	3504	12852		7704	0	AggregatordHost
262	16	6548	17416		5364	0	AGMService
303	21	4404	14804		4820	0	AppleMobileDeviceService
406	23	16308	36272	0,05	8952	3	ApplicationFrameHost
449	49	41668	29100		12404	0	AppProvisioningPlugin
1244	23	28448	27580	89,03	4220	0	audiodg
216	25	5980	4176	0,05	20200	3	backgroundTaskHost
327	30	18108	1640	0,06	24628	3	backgroundTaskHost
55	4	588	3040	0,00	1804	3	CCXProcess
119	8	5324	6536		4988	0	conhost
119	8	5404	6756	0,02	12152	3	conhost
163	10	5804	9180		12420	0	conhost
291	15	6980	22412	0,08	18324	3	conhost
1048	72	23920	72756	0,52	6044	3	CrossDeviceService
900	31	2536	6816		788	0	csrss
855	32	3040	7152		8960	3	csrss
625	21	8096	28696	1,80	6784	3	ctfmon
385	19	5460	13856		2952	0	dasHost
113	7	1200	5324		3108	0	dasHost
450	29	8056	19084	0,28	1572	3	dllhost
1371	85	162280	83976		24132	3	dwm
135	8	1952	6436		5208	0	esif_uf
12925	422	604264	667708	44,38	15600	3	explorer
451	22	15000	34020	0,03	4312	3	FileCoAuth
196	13	19676	13132	0,11	22476	3	FnHotkeyCapsLKNumLK
401	22	42648	21368	0,28	9068	3	FnHotkeyUtility
42	7	1956	3684		1460	0	fontdrvhost
42	27	9248	17928		23332	3	fontdrvhost
332	15	16052	21492	1,72	19312	3	FvContainer
236	14	24860	34476		1160	0	FvContainer.System
834	33	20760	38696		6736	0	gamingservices
309	15	11972	8012		6212	0	gamingservicesnet
429	15	3660	13828		5140	0	HPPrintScanDoctorService
0	0	60	8		0	0	Idle
485	37	63724	51728	0,17	15432	3	IGCC

## Задание 6

Список процессов, фильтр на приоритет и сортировка по именам

```
PS C:\Users\lenovo\Documents\nanka\OOCCT\OCCT3> Get-Process | Where-Object {$_.BasePriority -gt 7} | Sort-Object Name
Select-Object Name, BasePriority, Company | Out-File tusk6.txt
```

Name	BasePriority	Company
-----	-----	-----
AdobeIPCBroker	8	Adobe Inc.
AdobeUpdateService	8	
AggregatorHost	8	
AGMSERVICE	8	
AppleMobileDeviceService	8	
ApplicationFrameHost	8	Microsoft Corporation
AppProvisioningPlugin	8	
audiodg	8	
backgroundTaskHost	8	Microsoft Corporation
backgroundTaskHost	8	Microsoft Corporation
CCXProcess	8	Adobe Inc.
conhost	8	
conhost	8	Microsoft Corporation
conhost	8	
conhost	8	Microsoft Corporation
CrossDeviceService	8	Microsoft Corporation
csrss	13	
csrss	13	
ctfmon	13	
dashHost	8	
dashHost	8	

Задание 7

Создание HTML файла с сортировкой из 5 таблицы

```
PS C:\Users\lenovo\Documents\nanka\OOC\OCCT3> Get-ChildItem C:\Windows -File | Where-Object {$_.Length -gt 10000} |
Sort-Object Length | Select-Object Name, Length | ConvertTo-Html | Out-File tusk7.html
PS C:\Users\lenovo\Documents\nanka\OOC\OCCT3>
```

Name	Length
diagwrn.xml	11433
diagerr.xml	11433
winhlp32.exe	12288
DPINST.LOG	16310
PLDDATA.XML	18302
Core.xml	23461
storelibdebug.txt	24434
write.exe	28672
CoreSingleLanguage.xml	29857
hh.exe	36864
WinREDism.log	39060
mib.bin	43131
pyshellext.amd64.dll	52968
bootstat.dat	67584
twain_32.dll	69120
bfsvc.exe	118784
DirectX.log	133631
splwow64.exe	192512
TbtP2pShortcutService.exe	254112
WMSysPr9.prx	316640
notepad.exe	360448
regedit.exe	577536
pyw.exe	770552
py.exe	772840
HelpPane.exe	1089536
Pfro.log	1095526
xhunter1.sys	1432232
explorer.exe	5633384
ru-RU.log	11547446

Задание 8

Подсчитать сумму размера всех граф. Файлов каталога Windows в байтах

```
PS C:\Users\lenovo\Documents\nanka\ООСТ\OCCT3> Get-ChildItem C:\Windows -Recurse -Include *.bmp, *.jpg | Measure-Object -Property Length -Sum | Select-Object Sum
```

```
Sum
---
138043690
```

## Задание 9

Вывести сведения о ЦП ПК. Сделал через Get

```
PS C:\Users\lenovo\Documents\nanka\ООСТ\OCCT3> Get-WmiObject Win32_Processor | Select Name, MaxClockSpeed, NumberOfCores, NumberOfLogicalProcessors
```

Name	MaxClockSpeed	NumberOfCores	NumberOfLogicalProcessors
11th Gen Intel(R) Core(TM) i5-11400H @ 2.70GHz	2688	6	12

## Задание 10

Min, max, medium время командлетов dir и ps

```
PS C:\Users\lenovo\Documents\nanka\ООСТ\OCCT3> $times = @()
>> 1..10 | ForEach-Object {
>> $start = Get-Date
>> dir > $null
>> ps > $null
>> $end = Get-Date
>> $times += ($end - $start).TotalMilliseconds
>> }
PS C:\Users\lenovo\Documents\nanka\ООСТ\OCCT3> "Max: $($($times | Measure-Object -Maximum).Maximum) ms"
>> "Min: $($($times | Measure-Object -Minimum).Minimum) ms"
>> "Avg: $($($times | Measure-Object -Average).Average) ms"
Max: 24.5969 ms
Min: 2.99 ms
Avg: 5.54214 ms
```