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**Exp No.: 10**

**Batch:: B1**

**Date: 7/11/2022**

**Aim:** To explore basic DOS commands.

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**Questions:**

1. What difference do you observe in using MS-DOS and Ubuntu terminal commands?

MS-DOS is not case sensitive whereas Ubuntu terminal was case sensitive.

MS-DOS uses backslashes and ubuntu terminal uses forward slashes.

MS-DOS has batch files and ubuntu contains shell files.

MS-DOS is widely used in embedded systems while Ubuntu is used on the servers.

DOS lacks virtual and protected memory while Ubuntu has both.

2. Give any 5 commands that have same output in MS-DOS and Ubuntu terminal but

differs in nomenclature.

| Sr. No. | Task Performed | DOS Command | Output | Linux Command |
| --- | --- | --- | --- | --- |
| 1 | File copying | copy [filepath] [newfilepath] |  | cp [filepath] [newfilepath] |
| 2 | Clear terminal | cls | C:\Users\OS\_IT\_B317\Desktop\100> | clear |
| 3 | Displays time | time | C:\Users\OS\_IT\_B317\Desktop\100>time  The current time is: 14:49:17.01 | date |
| 4 | Rename a file | ren [file path] [file name] [new name] | C:\Users\OS\_IT\_B317\Desktop\100>dir  Volume in drive C has no label.  Volume Serial Number is 9A99-D046  Directory of C:\Users\OS\_IT\_B317\Desktop\100  11/07/2022 02:43 PM <DIR> .  11/07/2022 02:43 PM <DIR> ..  11/07/2022 02:43 PM 5 xyz.txt.txt  1 File(s) 5 bytes  2 Dir(s) 149,852,463,104 bytes free  C:\Users\OS\_IT\_B317\Desktop\100>ren C:\Users\OS\_IT\_B317\Desktop\100\xyz.txt.txt xyz.txt  C:\Users\OS\_IT\_B317\Desktop\100>dir  Volume in drive C has no label.  Volume Serial Number is 9A99-D046  Directory of C:\Users\OS\_IT\_B317\Desktop\100  11/07/2022 02:53 PM <DIR> .  11/07/2022 02:53 PM <DIR> ..  11/07/2022 02:43 PM 5 xyz.txt  1 File(s) 5 bytes  2 Dir(s) 149,856,067,584 bytes free | mv [old name] [new name] |
| 5 | Delete a file (delete xyz.txt) | del xyz.txt | C:\Users\OS\_IT\_B317\Desktop\100>del xyz.txt  C:\Users\OS\_IT\_B317\Desktop\100> | rm xyz.txt |
| 6 | Shows information about system | systeminfo | C:\Users\OS\_IT\_B317\Desktop\100>systeminfo  Host Name: DESKTOP-BKEDTQD  OS Name: Microsoft Windows 10 Pro for Workstations  OS Version: 10.0.18363 N/A Build 18363  OS Manufacturer: Microsoft Corporation  OS Configuration: Standalone Workstation  OS Build Type: Multiprocessor Free  Registered Owner: OS\_IT\_B317  Registered Organization:  Product ID: 00391-90090-60463-AA524  Original Install Date: 9/20/2022, 11:55:10 PM  System Boot Time: 11/7/2022, 10:43:53 AM  System Manufacturer: Dell Inc.  System Model: OptiPlex 3010  System Type: x64-based PC  Processor(s): 1 Processor(s) Installed.  [01]: Intel64 Family 6 Model 58 Stepping 9 GenuineIntel ~3300 Mhz  BIOS Version: Dell Inc. A08, 12/7/2012  Windows Directory: C:\Windows  System Directory: C:\Windows\system32  Boot Device: \Device\HarddiskVolume1  System Locale: en-us;English (United States)  Input Locale: 00004009  Time Zone: (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi  Total Physical Memory: 8,094 MB  Available Physical Memory: 4,472 MB  Virtual Memory: Max Size: 9,374 MB  Virtual Memory: Available: 5,369 MB  Virtual Memory: In Use: 4,005 MB  Page File Location(s): C:\pagefile.sys  Domain: WORKGROUP  Logon Server: \\DESKTOP-BKEDTQD  Hotfix(s): 7 Hotfix(s) Installed.  [01]: KB4515871  [02]: KB4513661  [03]: KB4516115  [04]: KB4517245  [05]: KB4521863  [06]: KB4577586  [07]: KB4517389  Network Card(s): 1 NIC(s) Installed.  [01]: Realtek PCIe GbE Family Controller  Connection Name: Ethernet  DHCP Enabled: No  IP address(es)  [01]: 172.17.17.27  [02]: fe80::a0e9:ddb3:58c4:d011  Hyper-V Requirements: VM Monitor Mode Extensions: Yes  Virtualization Enabled In Firmware: Yes  Second Level Address Translation: Yes  Data Execution Prevention Available: Yes | uname |
| 7 | Returns our current location in directory | chdir | C:\Users\OS\_IT\_B317\Desktop\100>chdir  C:\Users\OS\_IT\_B317\Desktop\100 | pwd |
| 8 | Print contents of a file | type | C:\Users\OS\_IT\_B317\Desktop\100>type xyz.txt  hello | cat |
| 9 | List running tasks | tasklist | C:\Users\OS\_IT\_B317\Desktop\100>tasklist  Image Name PID Session Name Session# Mem Usage  ========================= ======== ================ =========== ============  System Idle Process 0 Services 0 8 K  System 4 Services 0 144 K  Registry 96 Services 0 76,444 K  smss.exe 416 Services 0 1,148 K  csrss.exe 540 Services 0 5,700 K  wininit.exe 616 Services 0 6,560 K  services.exe 824 Services 0 8,832 K  lsass.exe 832 Services 0 20,104 K  svchost.exe 960 Services 0 3,764 K  fontdrvhost.exe 976 Services 0 2,304 K  svchost.exe 8 Services 0 27,012 K  svchost.exe 484 Services 0 15,136 K  svchost.exe 780 Services 0 7,708 K  svchost.exe 1176 Services 0 14,456 K | ps x |

**Outcomes: CO4:** Understanding Open source.

**Conclusion: (Conclusion to be based on outcomes achieved):** Basic DOS commands were explored, observed, understood and successfully implemented. We also compared them with Linux commands.

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**Grade: AA / AB / BB / BC / CC / CD /DD**

**Signature of faculty in-charge with date**

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**Referred Books/Internet sources:**

1. https://www.computerhope.com/overview.htm