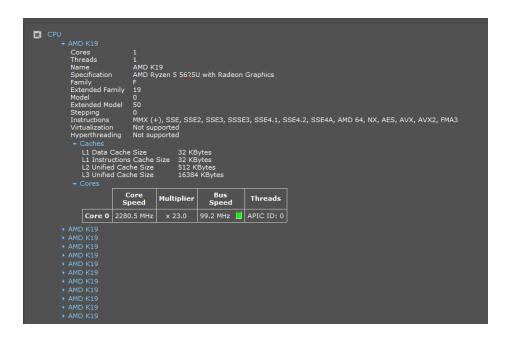
Objective 2: Installing Speccy to identify the specification of the PC like RAM, CPU, Hard Disk, OS etc.

1. CPU Specification:



2. RAM Specification:

```
Memory
Type
Size
Channels #
DRAM Frequency
CAS# Latency (CL)
RAS# to CAS# Delay (tRCD)
RAS# Precharge (tRP)
Cycle Time (tRAS)
Bank Cycle Time (tRC)
Command Rate (CR)
Total Physical
Total Physical
Available Physical
Total Virtual
SPD
Number Of SPD Modules

DDR4
14182 MBytes
Dual
1572.7 MHz
22 clocks
22 clocks
22 clocks
22 clocks
22 clocks
24 clocks
27 clocks
27 clocks
28 clocks
29 clocks
21 clocks
21 clocks
22 clocks
24 clocks
25 clocks
26 clocks
27 clocks
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29 clocks
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21 clocks
22 clocks
22 clocks
22 clocks
23 clocks
24 clocks
25 clocks
26 clocks
27 clocks
27 clocks
28 clocks
29 clocks
20 clocks
20 clocks
21 clocks
22 cl
```

3. Hard Disk Specification:

```
Wicron MTFDKBAITOTFH (SSD)

Interface Unknown
Capacity 953 GB
Real size 1,024,209,543,168 bytes
RAID Type None

S.M.A.R.T

S.M.A.R.T not supported

Partition 10
Partition 1D
File System
Used Space 40 MB (15%)
Free Space 215 MB (85%)

Partition 1
Partition 1D
Disk #0, Partition #1
Partition 1D
Disk #0, Partition #1
Disk Letter C:
File System
Volume Serial Number
Size 256 MB
Used Space 40 MB (15%)
Free Space 215 MB (85%)

Partition 1
Partition 1D
Disk #0, Partition #1
C:
File System
Volume Serial Number
Size 255 GB
Used Space 126 GB (49%)
Free Space 128 GB (51%)

Partition 2
Partition 2
Partition 2
Partition 3
Partition 42
Disk #0, Partition #2
Disk #0, Partition #0
FEBRICAL #0
FEBRICAL
```

4. Operating System Specification:

```
Operating System
Windows 11 Home 64-bit
Computer type: Virtual
Installation Date: 4/18/2023 11:13:19 AM
Serial Number: Q38T4-6VJ67-CR4PV-7CJGT-H8RJW

• Windows Security Center
User Account Control (UAC)
Notify level
2 - Default

• Windows Update
AutoUpdate Not configured

• Windows Defender
Windows Defender Disabled

• Firewall
Firewall
Firewall
Firewall
Firewall
Firewall
Signlay Name Kaspersky
• Antivirus

• Windows Defender
Antivirus Gignature Database
Virus Signature Database

• NET Frameworks installed

v4.8 Full
v4.8 Client
v3.5 SP1
v3.0 SP2
v3.0 SP2
```

5. Graphics Specification:

```
Graphics
                               Generic PnP Monitor on AMD Radeon Graphics
          Name
           Current Resolution 1920x1080 pixels
          Work Resolution 1920x1032 pixels
                              Enabled, Unsafe
Extended, Primary, Enabled
1920
           State
          Multiple displays
           Monitor Width
           Monitor Height
                               1080
                               32 bits per pixel
           Monitor BPP
           Monitor Frequency
                               60 Hz
                               \\.\DISPLAY1\Monitor0
           Device
```

Objective 3: Basic commands used in MS-DOS:

1. **DIR**:

Display a list of files and subdirectories in a directory.

```
C:\Windows\System32\cmd.e X
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.
D:\>dir
 Volume in drive D has no label.
 Volume Serial Number is 56C1-53C0
 Directory of D:\
04/18/2023 03:18 PM <DIR>
                                       Assignment && Lab
05/12/2022 09:07 AM
                                   235 crn.txt
05/16/2023 07:11 PM
                                       games
04/22/2023 11:22 PM
                         112,475 http.pkt
04/29/2023 01:12 AM <DIR>
                               Programming Workspace
05/17/2023 12:58 PM
                       <DIR>
05/15/2023 10:21 AM <DIR>
                                       SteamLibrary
04/18/2023 03:35 PM <DIR> syllabu
05/17/2023 01:29 PM <DIR> utsab
2 File(s) 112,710 bytes
                                      syllabus
utsab
               7 Dir(s) 257,137,512,448 bytes free
```

2. CD:

Change the current working directory.



3. MD:

Create a new directory.



4. RD:

Remove a directory.

```
D:\utsab>rd myfolder

D:\utsab>dir
Volume in drive D has no label.
Volume Serial Number is 56C1-53C0

Directory of D:\utsab

05/17/2023 01:39 PM <DIR>
0 File(s) 0 bytes
1 Dir(s) 257,137,434,624 bytes free
```

5. COPY:

Copies one or more files from one directory to another.

6. DEL:

Deletes one or more files.

```
D:\utsab>del dummy.txt name.txt

D:\utsab>dir
Volume in drive D has no label.
Volume Serial Number is 56C1-53C0

Directory of D:\utsab

05/17/2023 01:45 PM <DIR>
05/17/2023 01:44 PM <DIR>
name
0 File(s)
0 bytes
2 Dir(s) 257,137,389,568 bytes free
```

7. TYPE:

Displays the content of the file.

```
D:\utsab>type name.txt
utsab, sankalpa, sandesh, jivan, saurav, dipesh, rahul, shiva, rayan, bibek
D:\utsab>
```

8. **REN**:

Rename a file or directory.

```
D:\utsab>ren name.txt studentName.txt

D:\utsab>dir
Volume in drive D has no label.
Volume Serial Number is 56C1-53C0

Directory of D:\utsab

05/17/2023 01:48 PM <DIR> .
05/17/2023 01:44 PM <DIR> name
05/17/2023 01:47 PM 69 studentName.txt
1 File(s) 69 bytes
2 Dir(s) 257,137,356,800 bytes free
```

9. ATTRIB:

Displays or changes the attribute of a file.

```
D:\utsab>attrib studentName.txt

A D:\utsab\studentName.txt

D:\utsab>attrib +r studentName.txt

D:\utsab>attrib studentName.txt

A R D:\utsab\studentName.txt

D:\utsab>
```

10. DATE:

Show or change current date.



D:\utsab>date

The current date is: Wed 05/17/2023

Enter the new date: (mm-dd-yy)

11. EXIT:

Exit the terminal.

Conclusion:

Hence, the objectives of the lab were successfully completed.