TASK 5

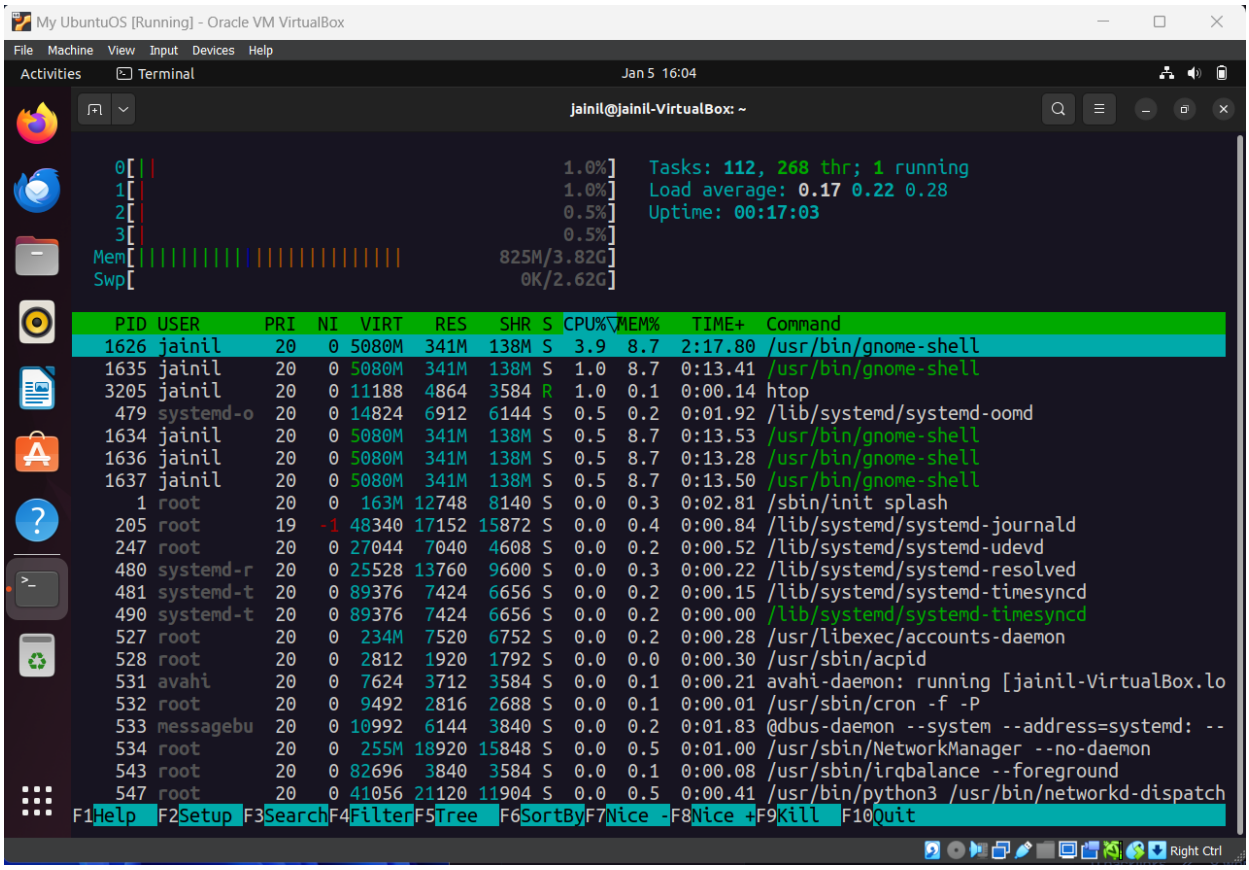
Task: Create a tutorial that explains how to use the "htop" command-line tool to monitor resource utilization on a Linux system. Cover the key features of "htop" and provide real-time examples of its application.

htop: This is `htop`, a cross-platform interactive process viewer.

To install `htop` use the following command:
`sudo apt install htop`

Using `htop`:

- Open terminal and enter command `htop` to launch the htop interface.



Following are the features shown:

- **PID:** PID is process id,
- **USER:** User column represents the user which started the process.
- **PRI:** PRI shows the priority of the
- **NI:** The nice value of a process
- **VIRT**: The size of the virtual memory of the process
- **CPU%:** It shows the percentage of CPU usage by a process
- **RES:** The resident set size (text + data + stack) of the process.

- **SHR:** The size of the process's shared pages.
- **MEM%** It shows the percentage of memory usage by the process
- **TIME:** The amount of time has been running for
- **Command:** it shows the command to run that process

Following are the options:

- **F1**: F1 is to show help
- **F2**: F2 is used to select setup
- **F3**: F3 is used to search the process
- **F4**: F4 is used to filter the processes
- **F5**: F5 is used to show the tree of the command
- **F6**: F6 is used to sort the processes by some feature0
- **F7**: Nice
- **F8**: Nice
- **F9**: F9 is used to kill a process
- **F10**: F10 is to quit.