

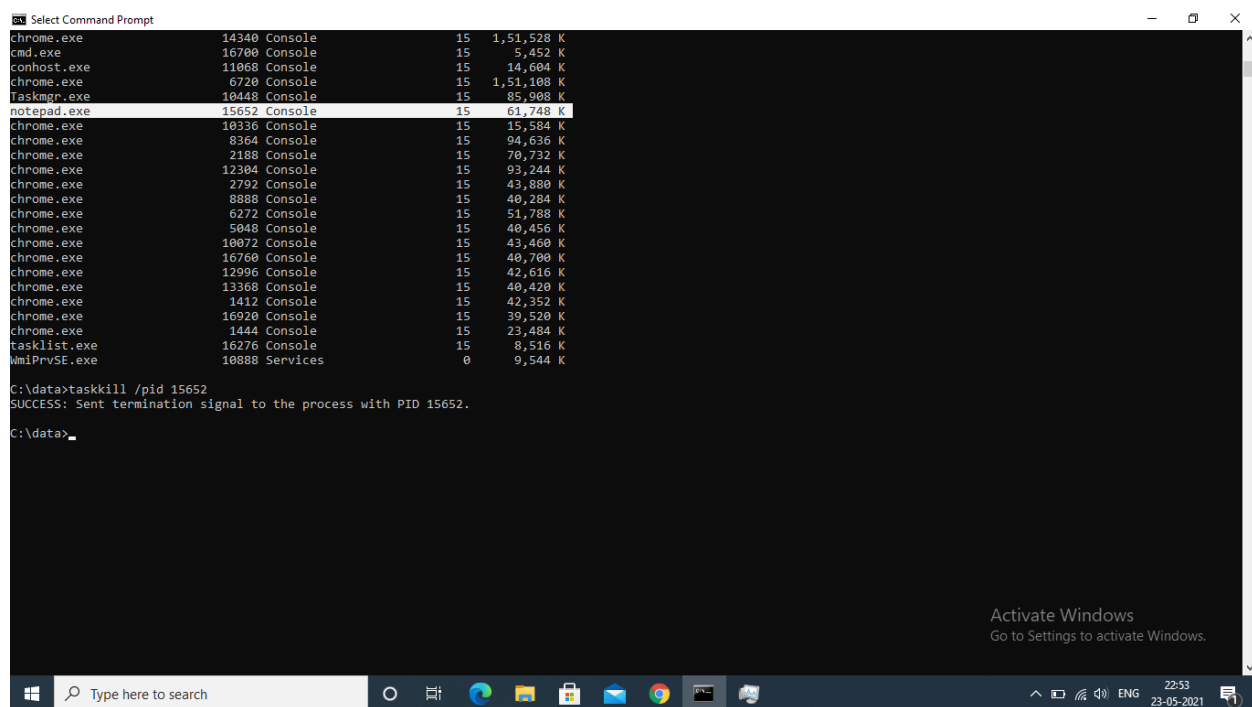
ASSIGNMENT 1

Maintain Efficient Process Utilisation On Windows

1. Terminating a specific process

- Open Command Prompt in your system and enter the command **tasklist** and hit enter.
- A list of all the processes running is displayed.
- Find the process id of the process that you want to terminate.
- To terminate, enter the command **taskkill /pid (process number)** and hit enter.
- The prompt shows a message that the process is terminated successfully.

OUTPUT:



```
Select Command Prompt
chrome.exe      14340 Console      15      1,51,528 K
cmd.exe         16700 Console      15         5,452 K
conhost.exe     11068 Console      15      14,604 K
chrome.exe      6720 Console      15      1,51,108 K
Taskmgr.exe     10448 Console      15       85,908 K
notepad.exe     15652 Console      15       61,748 K
chrome.exe      10336 Console      15       15,584 K
chrome.exe      8364 Console      15       94,636 K
chrome.exe      2188 Console      15       70,732 K
chrome.exe      12304 Console      15       93,244 K
chrome.exe      2792 Console      15       43,880 K
chrome.exe      8888 Console      15       40,204 K
chrome.exe      6272 Console      15       51,788 K
chrome.exe      5048 Console      15       40,456 K
chrome.exe      10072 Console      15       43,460 K
chrome.exe      16760 Console      15       40,700 K
chrome.exe      12996 Console      15       42,616 K
chrome.exe      13368 Console      15       40,420 K
chrome.exe      1412 Console      15       42,352 K
chrome.exe      16920 Console      15       39,520 K
chrome.exe      1444 Console      15       23,484 K
tasklist.exe    16276 Console      15         8,516 K
smiPrvSE.exe    10888 Services      0         9,544 K

C:\data>taskkill /pid 15652
SUCCESS: Sent termination signal to the process with PID 15652.

C:\data>
```

2. Terminate multiple processes

- Use the **Get-Process -Name (process name)** and get a list of the process with their ids.
- To terminate them use enter **taskkill /pid (process id)** multiple times.

OUTPUT:

```
PS C:\data> Get-Process -Name chrome

Handles  NPM(K)  PM(K)  WS(K)  CPU(s)    Id  SI ProcessName
-----  -
532      28    402340  212372  623.44    576  15 chrome
426      39    28876  42172   112.75   1072  15 chrome
246      15    23392  43080    0.73    1412  15 chrome
337      16    38016  61316    3.28    2188  15 chrome
2385     78    285636  201548  430.47   2228  15 chrome
218      13    14076  16332    2.16    2508  15 chrome
263      15    27172  49176   12.66    2792  15 chrome
241      16   108976  84036   28.91    3584  15 chrome
235      15    22256  40892    0.66    5048  15 chrome
268      15    28512  51256    2.14    6272  15 chrome
306       9     6272   7208    0.11    6324  15 chrome
319      21   102924  140536  297.11   6720  15 chrome
282      17    13788  18716    4.59    7268  15 chrome
230      15    20884  30460    0.34    8260  15 chrome
418      18    53336  87428   13.14    8364  15 chrome
259      15    21968  38940    1.25    8384  15 chrome
509      25   168056  190252  46.95    8804  15 chrome
237      15    22004  40752    0.50    8888  15 chrome
242      15    24496  44552    0.67   10072  15 chrome
428      17    61516  94500   13.00   12304  15 chrome
246      15    23120  43136    0.83   12996  15 chrome
346      19    43744  75516    4.78   13140  15 chrome
235      15    22260  40904    0.48   13368  15 chrome
491      24   159872  183536  251.42   14340  15 chrome
313      19    47484  56140    5.20   14716  15 chrome
1559     49   377984  245948  604.34   15104  15 chrome
215      14    18176  23552    0.17   16752  15 chrome
236      15    23060  41848    0.44   16760  15 chrome
232      14    22884  41208    0.38   16920  15 chrome

PS C:\data> taskkill /F /pid 576
SUCCESS: The process with PID 576 has been terminated.
PS C:\data> taskkill /F /pid 1072
SUCCESS: The process with PID 1072 has been terminated.
```