

## Process Monitor With Memory Usage

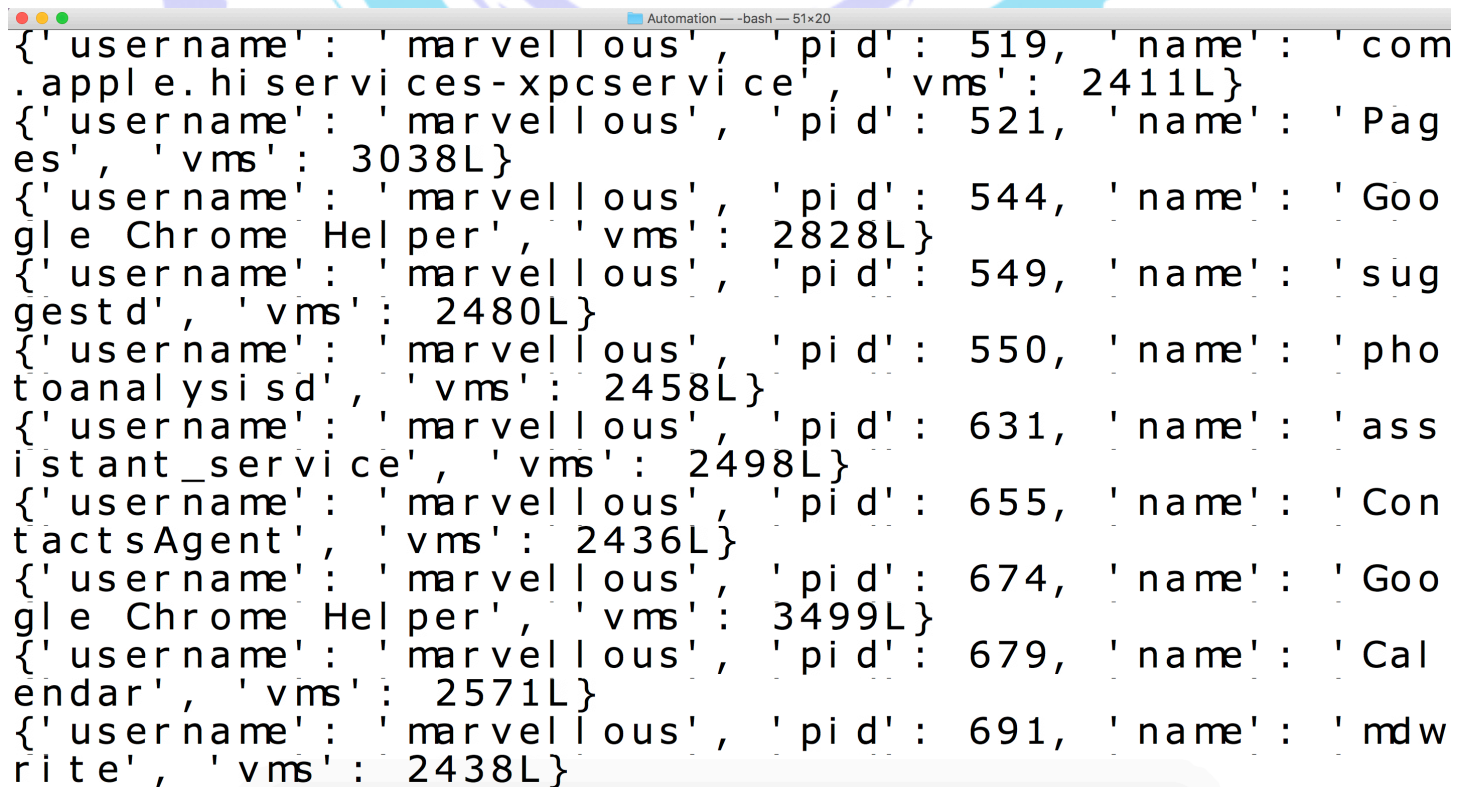
Automation script which display all running processes. Display memory consumed by each process.

```

1 import psutil
2
3 def ProcessDisplay():
4     listprocess = []
5
6     for proc in psutil.process_iter():
7         try:
8             pinfo = proc.as_dict(attrs=['pid', 'name', 'username'])
9             pinfo['vms'] = proc.memory_info().vms / (1024 * 1024)
10
11             listprocess.append(pinfo);
12         except (psutil.NoSuchProcess, psutil.AccessDenied, psutil.ZombieProcess):
13             pass
14
15     return listprocess
16
17 def main():
18     print("Marvellous Infosystems : Python Automation & Machine Learning")
19
20     print("Process Monitor with memory usage")
21
22     listprocess = ProcessDisplay()
23
24     for elem in listprocess:
25         print(elem)
26
27
28
29 if __name__ == "__main__":
30     main()
31

```

### Output of above script



```

Automation - bash - 51x20
{'username': 'marvellous', 'pid': 519, 'name': 'com
.apple.hiservices-xpcservice', 'vms': 2411L}
{'username': 'marvellous', 'pid': 521, 'name': 'Pag
es', 'vms': 3038L}
{'username': 'marvellous', 'pid': 544, 'name': 'Goo
gle Chrome Helper', 'vms': 2828L}
{'username': 'marvellous', 'pid': 549, 'name': 'sug
gestd', 'vms': 2480L}
{'username': 'marvellous', 'pid': 550, 'name': 'pho
toanalysisd', 'vms': 2458L}
{'username': 'marvellous', 'pid': 631, 'name': 'ass
istant_service', 'vms': 2498L}
{'username': 'marvellous', 'pid': 655, 'name': 'Con
tactsAgent', 'vms': 2436L}
{'username': 'marvellous', 'pid': 674, 'name': 'Goo
gle Chrome Helper', 'vms': 3499L}
{'username': 'marvellous', 'pid': 679, 'name': 'Cal
endar', 'vms': 2571L}
{'username': 'marvellous', 'pid': 691, 'name': 'mdw
ritr', 'vms': 2438L}

```