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!/usr/bin/env python

In [1]:
```
import os
import psutil
```

Getting loadover15 minutes

In [2]:
```
load1, load5, load15 = psutil.getloadavg()

cpu_usage = (load15/os.cpu_count()) * 100

print("The CPU usage is : ", cpu_usage)
```

```
The CPU usage is :  0.0
```

gives a single float value

In [3]:
```
psutil.cpu_percent()
```

Out[3]:
```
48.5
```

gives an object with many fields

In [4]:
```
psutil.virtual_memory()
```

Out[4]:
```
svmem(total=8444702720, available=1836847104, percent=78.2, used=6607855616, free=18
36847104)
```

you can convert that object to a dictionary

In [5]:
```
dict(psutil.virtual_memory()._asdict())
```

Out[5]:
```
{'total': 8444702720,
 'available': 1836859392,
 'percent': 78.2,
 'used': 6607843328,
 'free': 1836859392}
```

you can have the percentage of used RAM

In [6]:
```
psutil.virtual_memory().percent
```

Out[6]:
```
78.2
```

you can calculate percentage of available memory

In [7]:
```
psutil.virtual_memory().available * 100 / psutil.virtual_memory().total
```

Out[7]:
```
21.75307210814403
```

Getting % usage of virtual_memory

In [8]:
```
print('RAM memory % used:', psutil.virtual_memory()[2])
```

```
RAM memory % used: 78.2
```

Thank You