5)

Script first checks whether libvirt, qemu, kvm, bridge, virt and virt-viewer are installed. If not installed install them.

User can enter the VM name, RAM, disk storage, number of vcpu, iso image location, number of interfaces, name of the network. Install VM using above information.

It takes some time to install the VM.

**Bonus**:

To delete a VM, uncomment the last 5 lines of the code and run the script.

6)

6.1) Host information are provided in prob6.py

6.2) Domain information are provided in prob6.py

Give the domain name as the first argument otherwise libvirt error is thrown

Example valid input:

sudo python prob6\_3.py <available domain name>

6.3) In in prob6\_3.py

Execute by using sudo python prob6\_3.py Argument1 Argument2

Argument1 - CPU or MEM.

Argument2 – Threshold value (valid number)

**Note:**

‘cpu’ or ‘mem’ or any other value does not work for argument1

Example valid input:

sudo python prob6\_3.py CPU 1000

sudo python prob6\_3.py MEM 2000

Example Invalid input:

sudo python prob6\_3.py 778 2000

sudo python prob6\_3.py ans 2000

sudo python prob6\_3.py

sudo python prob6\_3.py MEM ddas

Invalid input cases are handled appropriately by throwing errors.

If CPU usage is crosses the input threshold value, cpulogs.log files logs the message in appropriate format and the alert message is also printed.

Memdict and cpudict dictionaries are used to store the respective usages.

Based on input (CPU or MEM) , output will be sorted in that order. Even if first argument is wrong, based on threshold value log values are added.