

## LINUX COMMANDS WORKING PROOF

### 1. Using manual command 'man internsctl'

```
NAME
  internsctl - Perform various system-related tasks

SYNOPSIS
  internsctl [ user [create <username>|list [--sudo-only]] | file getinfo <file-name> [options] | cpu getinfo | memory getinfo | --help | --version ]

DESCRIPTION
  internsctl is a command-line tool for performing various system-related tasks, including user management, file information retrieval, and displaying CPU and memory information.

COMMANDS
  user create <username>
    Create a new user with the specified username.

  user list [--sudo-only]
    List all regular users or sudo users if the --sudo-only option is provided.

  file getinfo <file-name> [options]
    Display information about the specified file. Additional options can be used to retrieve specific information such as size, permissions, owner, and last modified time.

  cpu getinfo
    Display CPU information.

  memory getinfo
    Display memory information.

  --help
    Display this help message.

  --version
    Display the version of internsctl.

OPTIONS
  --size, -s
    Print file size.

  --permissions, -p
    Print file permissions.

  --owner, -o
    Print file owner.

  --last-modified, -m
    Print last modified time.

EXAMPLES
  internsctl user create john Create a new user with the username 'john'.
  internsctl user list List all regular users.
```

### 2. Using help command 'internsctl --help'

```
saurav@saurav-virtual-machine:~$
saurav@saurav-virtual-machine:~$ man internsctl
saurav@saurav-virtual-machine:~$ intersctl --help
intersctl: command not found
saurav@saurav-virtual-machine:~$ internsctl --help
internsctl - Perform various system-related tasks

Usage: internsctl [user [create <username>|list [--sudo-only]]|
                  file getinfo <file-name> [options]|
                  cpu getinfo|memory getinfo|
                  --help|--version]

Commands:
  user create <username>      Create a new user
  user list [--sudo-only]    List all regular or sudo users
  file getinfo <file-name>   Display information about a file
  cpu getinfo                Display CPU information
  memory getinfo             Display memory information

Options:
  --size, -s                Print file size
  --permissions, -p        Print file permissions
  --owner, -o              Print file owner
  --last-modified, -m      Print last modified time
  --help                   Display this help message
  --version                Display the version of internsctl
saurav@saurav-virtual-machine:~$
```

### 3. Using version command 'internsctl --version'

```

Terminal

saurav@saurav-virtual-machine:~$ internsctl --version
internsctl v0.1.0
saurav@saurav-virtual-machine:~$

```

#### 4. Using cpu info command 'internsctl cpu getinfo'

```

saurav@saurav-virtual-machine:~$ internsctl --version
internsctl v0.1.0
saurav@saurav-virtual-machine:~$ internsctl cpu getinfo
Architecture:      x86_64
CPU op-mode(s):    32-bit, 64-bit
Address sizes:      45 bits physical, 48 bits virtual
Byte Order:         Little Endian
CPU(s):             2
On-line CPU(s) list: 0,1
Vendor ID:          GenuineIntel
Model name:         Intel(R) Core(TM) i5-9300H CPU @ 2.40GHz
CPU family:         6
Model:              158
Thread(s) per core: 1
Core(s) per socket: 1
Socket(s):          2
Stepping:           10
BogoMIPS:           4799.99
Flags:              fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge nca cmov pat pse36 clflush mmx fxsr sse sse2 ss syscall nx pdpe1gb rdtscp lm constant
able nonstop_tsc cpuid tsc_known_freq pni pclmulqdq ssse3 fma cx16 pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes xsave avx
prefetch invpcid_single pti ssbd ibrs ibpb stibp fsgsbase tsc_adjust bmi1 avx2 smep bmi2 invpcid rdseed adx snap clflushopt xsaveopt xsave
arch_capabilities

Virtualization features:
Hypervisor vendor:  VMware
Virtualization type: full
Caches (sum of all):
  L1d:                64 KiB (2 instances)
  L1i:                64 KiB (2 instances)
  L2:                 512 KiB (2 instances)
  L3:                 16 MiB (2 instances)
NUMA:
  NUMA node(s):       1
  NUMA node0 CPU(s):  0,1
Vulnerabilities:
  Gather data sampling: Unknown: Dependent on hypervisor status
  Itlb multihit:       KVM: Mitigation: VMX unsupported
  L1tf:                Mitigation: PTE Inversion
  Mds:                 Mitigation: Clear CPU buffers; SMT Host state unknown
  Meltdown:            Mitigation: PTI
  Mmio stale data:     Mitigation: Clear CPU buffers; SMT Host state unknown
  Retbleed:            Mitigation: IBRS
  Spec rstack overflow: Not affected
  Spec store bypass:   Mitigation: Speculative Store Bypass disabled via prctl
  Spectre v1:          Mitigation: usercopy/swapgs barriers and __user pointer sanitization
  Spectre v2:          Mitigation: IBRS, IBPB conditional, STIBP disabled, RSB filling, PBSRB-eIBRS Not affected
  Srbds:               Unknown: Dependent on hypervisor status
  Tsx async abort:     Not affected
saurav@saurav-virtual-machine:~$

```

#### 5. Using get memory info 'internsctl memory getinfo'

```

saurav@saurav-virtual-machine:~$ internsctl memory getinfo
Srbds:               Unknown: Dependent on hypervisor status
Tsx async abort:     Not affected
saurav@saurav-virtual-machine:~$ internsctl memory getinfo
Mem:                 total      used      free      shared  buff/cache  available
Swap:                2.0Gi      0B       2.0Gi

```

#### 6. Using user list command 'internsctl user list'

```
root
saurav@saurav-virtual-machine:~$ internsctl user list
syslog
cups-pk-helper
saurav
Kumarsaurav
saurav@saurav-virtual-machine:~$
```

7. Using get file info 'internsctl file getinfo'

```
saurav@saurav-virtual-machine:~$ internsctl file getinfo saurav.txt
File: saurav.txt
Access: -rw-rw-r--
Size(B): 5
Owner: saurav
Modify: 2024-01-10 16:17:34.364120243 +0530
```