

Custom Code sript source code:

```
#!/bin/bash
```

```
# internsctl - Custom Linux Command
```

```
# Function to display usage
```

```
display_usage() {  
    echo "Usage: internsctl [options] <command>"  
    echo "Options:"  
    echo "  --help    Display help"  
    echo "  --version  Display version"  
    echo ""  
    echo "Commands:"  
    echo "  cpu getinfo    Get CPU information"  
    echo "  memory getinfo  Get memory information"  
    echo "  user create <username>  Create a new user"  
    echo "  user list      List all users"  
    echo "  user list --sudo-only  List users with sudo permissions"  
    echo "  file getinfo [options] <file-name>  Get file information"  
    echo "  Options:"  
    echo "    --size, -s      Print file size"  
    echo "    --permissions, -p  Print file permissions"  
    echo "    --owner, -o      Print file owner"  
    echo "    --last-modified, -m  Print last modified time"  
}
```

Function to get CPU information

```
get_cpu_info() {  
    lscpu  
}
```

Function to get memory information

```
get_memory_info() {  
    free  
}
```

Function to create a new user

```
create_user() {  
    if [ $# -eq 2 ]; then  
        sudo useradd -m "$2"  
        echo "User $2 created successfully."  
    else  
        echo "Usage: internsctl user create <username>"  
    fi  
}
```

Function to list users

```
list_users() {  
    if [ "$2" == "--sudo-only" ]; then  
        getent passwd | grep -E -o '^[^:]+ ' | xargs -l{} groups {} | grep -E -o '\bsudo\b' | cut -d: -f1  
    else  
        getent passwd | cut -d: -f1  
    fi  
}
```

```
fi  
}
```

Function to get file information

```
get_file_info() {  
    if [ -z "$2" ]; then  
        echo "Usage: internsctl file getinfo [options] <file-name>"  
        return  
    fi
```

```
    file_name="$2"
```

Check options

```
case "$3" in  
    "--size" | "-s")  
        stat --printf="%s" "$file_name"  
        ;;  
    "--permissions" | "-p")  
        stat --printf="%a" "$file_name"  
        ;;  
    "--owner" | "-o")  
        stat --printf="%U" "$file_name"  
        ;;  
    "--last-modified" | "-m")  
        stat --printf="%Y" "$file_name"  
        ;;  
    *)
```

```
# Default: Display all information

stat "$file_name"

;;

esac

}
```

```
# Main script logic
```

```
case "$1" in
```

```
"cpu" )
```

```
    get_cpu_info
```

```
;;
```

```
"memory" )
```

```
    get_memory_info
```

```
;;
```

```
"user" )
```

```
    case "$2" in
```

```
        "create" )
```

```
            create_user "$@"
```

```
;;
```

```
        "list" )
```

```
            list_users "$@"
```

```
;;
```

```
        * )
```

```
            echo "Invalid user command."
```

```
            display_usage
```

```
;;
```

```
esac
```

```
;;  
"file" )  
    get_file_info "$@"  
    ;;  
"--help" )  
    display_usage  
    ;;  
"--version" )  
    echo "internsctl v0.1.0"  
    ;;  
* )  
    echo "Invalid command."  
    display_usage  
    ;;  
esac
```

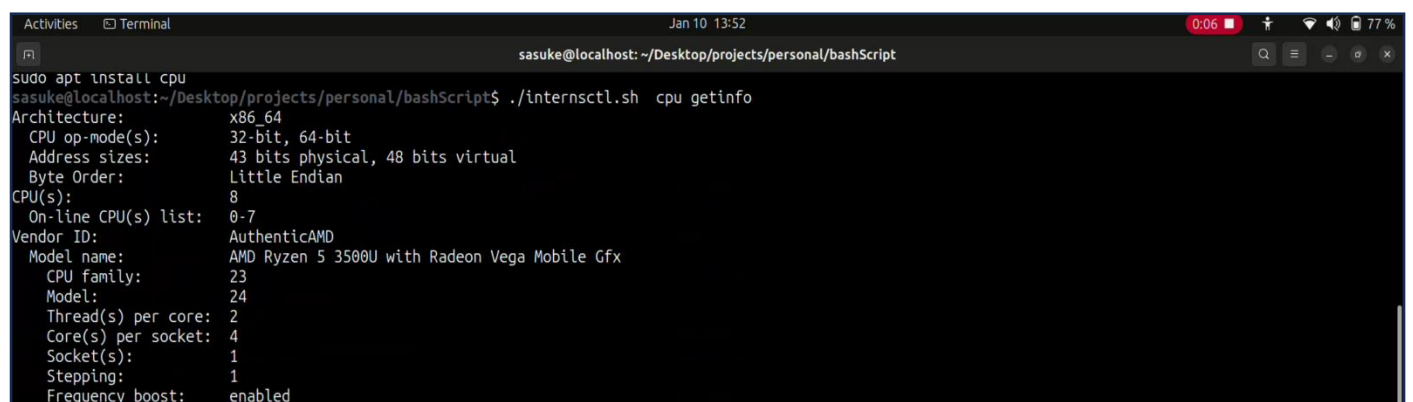
```
> ^C  
sasuke@localhost:~/Desktop/projects/personal/bashScript$ ./internsctl.sh user list  
root  
daemon  
bin  
sys  
sync  
games  
man  
lp  
mail  
news  
uucp  
proxy  
www-data
```

Tsx async abort: Not affected

sasuke@localhost:~/Desktop/projects/personal/bashScript\$./internsctl.sh memory getinfo

	total	used	free	shared	buff/cache	available
Mem:	5993436	4396020	276392	337480	1960544	1597416

```
--owner, -o          Print file owner
--last-modified, -m  Print last modified time
sasuke@localhost:~/Desktop/projects/personal/bashScript$ ./internsctl.sh --version
internsctl v0.1.0
sasuke@localhost:~/Desktop/projects/personal/bashScript$ cpu getinfo
```



```
Activities  Terminal  Jan 10 13:52  0:06  77%
sasuke@localhost: ~/Desktop/projects/personal/bashScript
sasuke@localhost:~/Desktop/projects/personal/bashScript$ ./internsctl.sh  cpu getinfo
Architecture:      x86_64
CPU op-mode(s):    32-bit, 64-bit
Address sizes:     43 bits physical, 48 bits virtual
Byte Order:        Little Endian
CPU(s):            8
On-line CPU(s) list: 0-7
Vendor ID:         AuthenticAMD
Model name:        AMD Ryzen 5 3500U with Radeon Vega Mobile Gfx
CPU family:        23
Model:             24
Thread(s) per core: 2
Core(s) per socket: 4
Socket(s):         1
Stepping:          1
Frequency boost:   enabled
```