

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

```
function show_help() {  
    echo "Usage: internsctl [command] [options]"  
    echo "Commands:"  
    echo "  cpu getinfo          Get CPU information (similar to lscpu)"  
    echo "  memory getinfo       Get memory information (similar to free)"  
    echo "  user create <username>  Create a new user with login access"  
    echo "  user list             List all regular users"  
    echo "  user list --sudo-only   List users with sudo permissions"  
    echo "  file getinfo <file-name>  Get information about a file"  
    echo "  file getinfo [options] <file-name>"  
    echo "                        Get specific information about a file"  
    echo "Options:"  
    echo "  --size, -s           Print size"  
    echo "  --permissions, -p    Print file permissions"  
    echo "  --owner, -o          Print file owner"  
    echo "  --last-modified, -m  Print last modified time"  
}
```

```
function cpu_getinfo() {  
    lscpu  
}
```

```
function memory_getinfo() {
```

```

    free
}

function user_create() {
    username="$1"
    sudo useradd -m "$username"
    echo "User '$username' created successfully."
}

function user_list() {
    if [[ "$1" == "--sudo-only" ]]; then
        getent passwd | cut -d: -f1,3,4 | awk -F: '$2 >= 1000 {print $1}' | xargs groups | grep -E "\bsudo\b" |
        cut -d: -f1
    else
        getent passwd | cut -d: -f1,3,4 | awk -F: '$2 >= 1000 {print $1}'
    fi
}

function file_getinfo() {
    file="$1"
    if [[ -z "$2" ]]; then
        stat "$file" --printf="%n\tAccess: %A\tSize(B): %s\tOwner: %U:%G\nModify: %y\n"
    else
        case "$2" in
            --size|-s)
                stat "$file" --printf="%s\n"
            ;;
        esac
    fi
}

```

```

;;
--permissions|-p)

    stat "$file" --printf="%A\n"

    ;;

--owner|-o)

    stat "$file" --printf="%U\n"

    ;;

--last-modified|-m)

    stat "$file" --printf="%y\n"

    ;;

*)

    echo "Error: Unknown option. Use 'internsctl file getinfo --help' for usage information."

    exit 1

    ;;

esac

fi

}

```

# Main script logic

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

```
cpu)
```

```
    cpu_getinfo
```

```
    ;;
```

```
memory)
```

```
    memory_getinfo
```

```
;;
user)
    case "$2" in
        create)
            user_create "$3"

            ;;
        list)
            user_list "$3"

            ;;
        *)
            echo "Error: Unknown option. Use 'internsctl user --help' for usage information."

            exit 1

            ;;
    esac

    ;;
file)
    file_getinfo "$2" "$3"

    ;;
--help)
    show_help

    ;;
*)
    echo "Error: Unknown command. Use 'internsctl --help' for usage information."

    exit 1

    ;;
```

esac