



Artificial Intelligence and Data Science Department. OS / Even Sem 2021-22 / Experiment 3.

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EXPERIMENT - 3.

SHELL SCRIPTS

Aim: Write shell scripts to do the following:

Display current shell, home directory, operating system type, current path setting, current working directory.

Display OS version, release number, kernel version.

Theory:

EXPERIMENT 3

Aim: Write shell scripts for:
Display current shell, home dir,
operating sys type, path setting,
current working dir, OS version,
release number, kernel version.

Theory:

- 1) ps → enables you to check the status of active processes on the system
- 2) cd → used to change directory
- 3) PATH → environment variable in Linux that tells the shell which directories to search for .exe files
- 4) uname -v → command to check system information
- 5) pwd → Print working directory path command.
- 6) -o → gives OS version in the uname command.
- 7) -r → kernel release
- 8) -v → kernel version.

Snippets:

```
(kali㉿kali)-[~/Desktop/Example/Assignment]
```

```
$ sh assignment3.sh
```

```
Current Shell
```

```
File System
```

PID	TTY	TIME	CMD
1741	pts/0	00:00:00	sh

```
Browse Network
```

```
Home Directory
```

```
File: 500 bytes, Free space: 12.0 GB
```

```
PATH
```

```
assignment3.sh: 11: /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/lo
```

```
Operating system type
```

```
#1 SMP Debian 5.14.16-1kali1 (2021-11-05)
```

```
Current working directory
```

```
/home/kali
```

```
OS version
```

```
GNU/Linux
```

```
Release number
```

```
5.14.0-kali4-amd64
```

```
Version of kernel
```

```
#1 SMP Debian 5.14.16-1kali1 (2021-11-05)
```

Conclusion:-

Thus we have learned to implement shell scripts in Unix.
