LINUX MODULE 4 ASSESSMENT SOLUTIONS
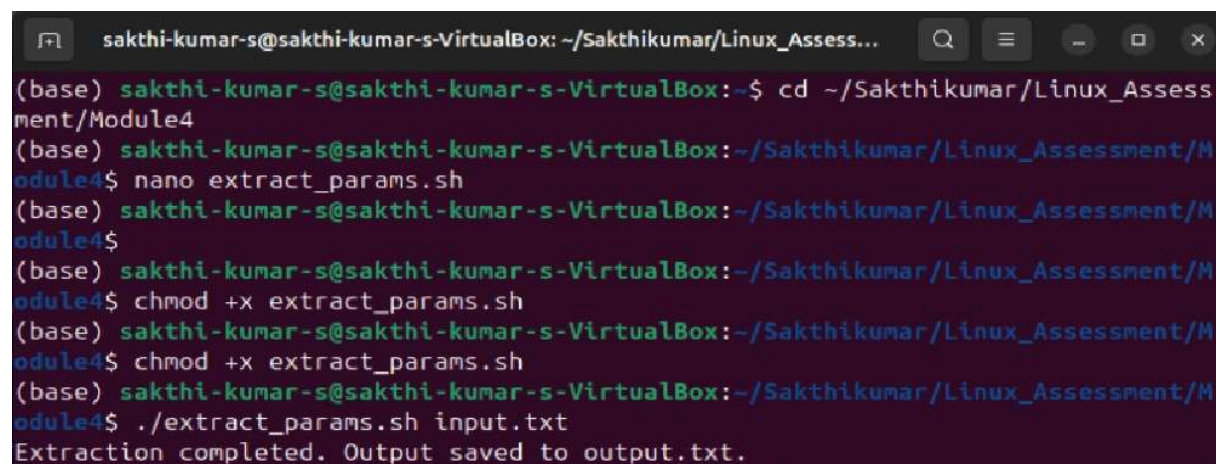
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Overview:

The objective of this assignment is to extract specific parameters from a given input file (input.txt) and generate an output file (output.txt) with the required structured data.

Tasks:

A Bash script (extract_params.sh) has been created to:

- Read input.txt line by line.

- Identifies and extracts the required parameters using **grep and awk.**

- Extract the following parameters:

    o frame.time

    o wlan.fc.type

    o wlan.fc.subtype

- Format the extracted data in the required output format.

- Save the formatted data to output.txt.

Output:

```
(base) sakthi-kumar-s@sakthi-kumar-s-VirtualBox:~/Sakthikumar/Linux_Assessment/Module4$ cat output.txt
"frame.time": "Dec 31 2024 12:50:25.890970000 India Standard Time
"wlan.fc.type": "0
"wlan.fc.subtype": "8

"frame.time": "Dec 31 2024 12:50:25.892357000 India Standard Time
"wlan.fc.type": "0
"wlan.fc.subtype": "8

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"wlan.fc.type": "0
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"wlan.fc.type": "0
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"wlan.fc.type": "0
"wlan.fc.subtype": "8

"frame.time": "Dec 31 2024 12:50:44.927778000 India Standard Time
"wlan.fc.type": "0
"wlan.fc.subtype": "8

"frame.time": "Dec 31 2024 12:50:44.937334000 India Standard Time
"wlan.fc.type": "0
"wlan.fc.subtype": "8

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"wlan.fc.type": "0
"wlan.fc.subtype": "8

"frame.time": "Dec 31 2024 12:50:44.975146000 India Standard Time
"wlan.fc.type": "0
"wlan.fc.subtype": "8

"frame.time": "Dec 31 2024 12:50:45.029374000 India Standard Time
"wlan.fc.type": "0
"wlan.fc.subtype": "8
```