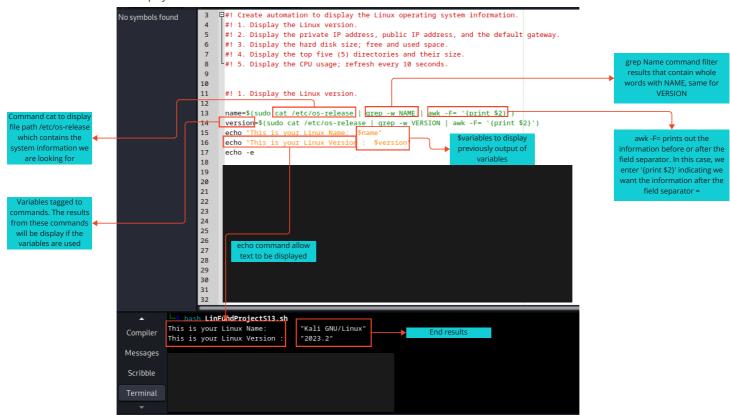
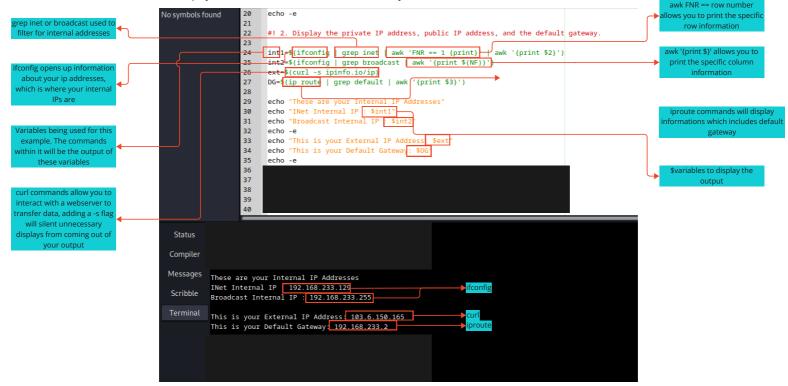
#1. Display the Linux Version



Detailed explanation for each command used

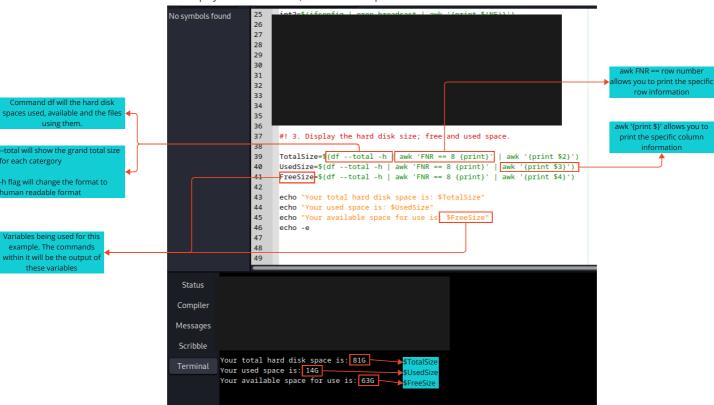
name=\$(sudo cat /etc/os-release | grep -w NAME | awk -F= '(print \$2}') ------ the output for the name variable will be the information found in /etc/os-release, containing the word NAME, column after the field separator = version=\$(sudo cat /etc/os-release | grep -w VERSION | awk -F= '(print \$2}') ------ the output for the version variable will be the information found in /etc/os-release, containing the word VERSION, column after the field separator = echo "This is your Linux Name : \$name" ------ Print in terminal "This is your Linux Name" with the variable \$name echo "This is your Linux Version : \$version ----- Print in terminal "This is your Linux Version" with the variable \$version

#2. Display the Private IP, Public and Default Gateway IP Addresses



Detailed explanation for each command used int1=\$(ifconfig | grep inet | awk 'FNR == 1 {print}' | awk '{print \$2}') ------ the output for the int1 variable will be the information found in ifconfig command, containing the word inet, row 1, column 2 int2=\$(ifconfig | grep broadcast | awk '{print \$(NF)}') ----- the output for the int2 variable will be the information found in ifconfig command, containing the word broadcast, row 1 from the back ext=\$(curl -s ipinfo.io/ip) ------ the output for ext variable will be the data received from domain ipinfo.io/ip DG=\$(ip route | grep default | awk '{print \$3}') ----- the output for the DG variable will be the information found in ip route command, containing the word default, row 3 echo "These are your Internal IP Addresses" ----- Print in terminal "These are your Internal IP Addresses" echo "INet Internal IP : \$int1" ----- Print in terminal "INet Internal IP" with the variable \$int1 echo "Broadcast Internal IP Address: \$ext" ----- Print in terminal "Broadcast Internal IP" with the variable \$int2 echo "This is your External IP Address: \$ext" ----- Print in terminal "This is your Default Gateway: \$DG" ----- Print in terminal "This is your Default Gateway" with the variable \$DG

#3. Display the hard disk size, free and used space

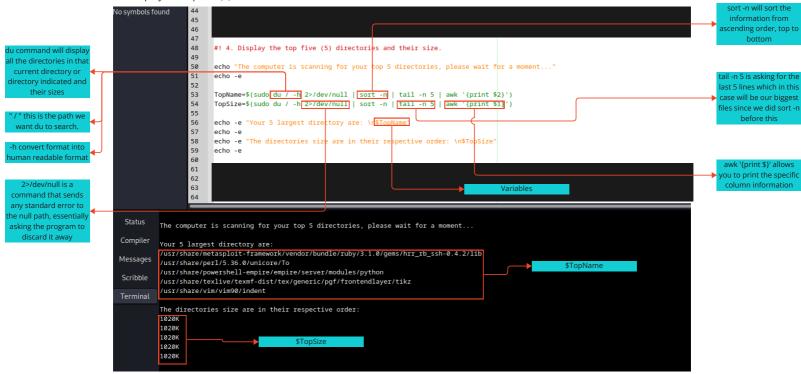


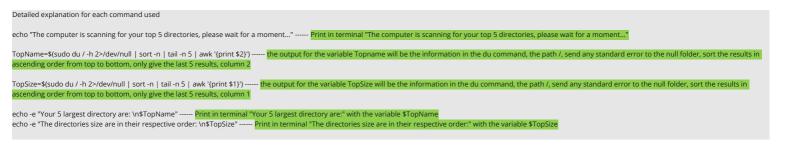
Detailed explanation for each command used

TotalSize=\$(df--total-h | awk 'FNR == 8 {print}' | awk '{print \$2}') ----- the output for the variable TotalSize will be the information from the command df--total-h, row 8, column 2 UsedSize=\$(df--total-h | awk 'FNR == 8 {print}' | awk '{print \$3}') ---- the output for the variable UsedSize will be the information from the command df--total-h, row 8, column 3 FreeSize=\$(df--total-h | awk 'FNR == 8 {print}' | awk '{print \$4}') ----- the output for the variable FreeSize will be the information from the command df--total-h, row 8, column 4 echo "Your total hard disk space is: \$TotalSize" ----- Print in terminal "Your total hard disk space is" with the variable \$TotalSize echo "Your used space is: \$UsedSize" ----- Print in terminal "Your used space is" with the variable \$UsedSize

echo "Your available space for use is: \$FreeSize" ----- Print in terminal "Your available space for use is" with the variable \$FreeSize

#4. Display the top five (5) directories and their size





#5. Display the CPU Usage; refresh every 10 seconds

