


Experiment-8

Write shell scripts to print system information. Write shell script to perform basic mathematical calculation. Use redirection operators to store the output of commands.

A terminal window with a dark background and a light blue title bar. The terminal displays a shell script for printing system information. The script starts with a comment line, followed by a shebang line, and then several echo statements that use command substitution to display various system details. The cursor is at the end of the last line.

```
# System Information
#!/bin/bash
echo "OS information is $(lsb_release -d)"
echo "Linux kernel version is $(uname -r)"
echo "System Uptime is $(uptime -p)"
echo "CPU model is $(lscpu)"
echo "RAM usage $(free -h)"
echo " Disk usage is $(df -h)"
echo "IP Address is $(hostname -I)"
echo "Logged-In User is $(who)"
```

```
# Claculator
#!/bin/bash
OUTPUT="output.txt"
echo "Enter the first number: "
read num1
echo "Enter the second number : "
read num2
echo "Enther the operation : "
echo "1. Add"
echo "2. Subtract"
echo "3. Multiply"
echo "4. Divide"
read operator
if [ $operator -eq 1 ]; then
    echo $((num1 + num2)) >> $OUTPUT
elif [ $operator -eq 2 ]; then
    echo $((num1 - num2)) >> $OUTPUT
elif [ $operator -eq 3 ]; then
    echo $((num1 * num2)) >> $OUTPUT
elif [ $operator -eq 4 ]; then
    if [ num2 -ne 0 ]; then
        echo $((num1 / num2)) >> $OUTPUT
    else
        echo "division by 0 is not allowed" >> $OUTPUT
    fi
else
    echo "Invalid operator" >> $OUTPUT
fi
echo "Open output.txt"

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calculator.sh
```