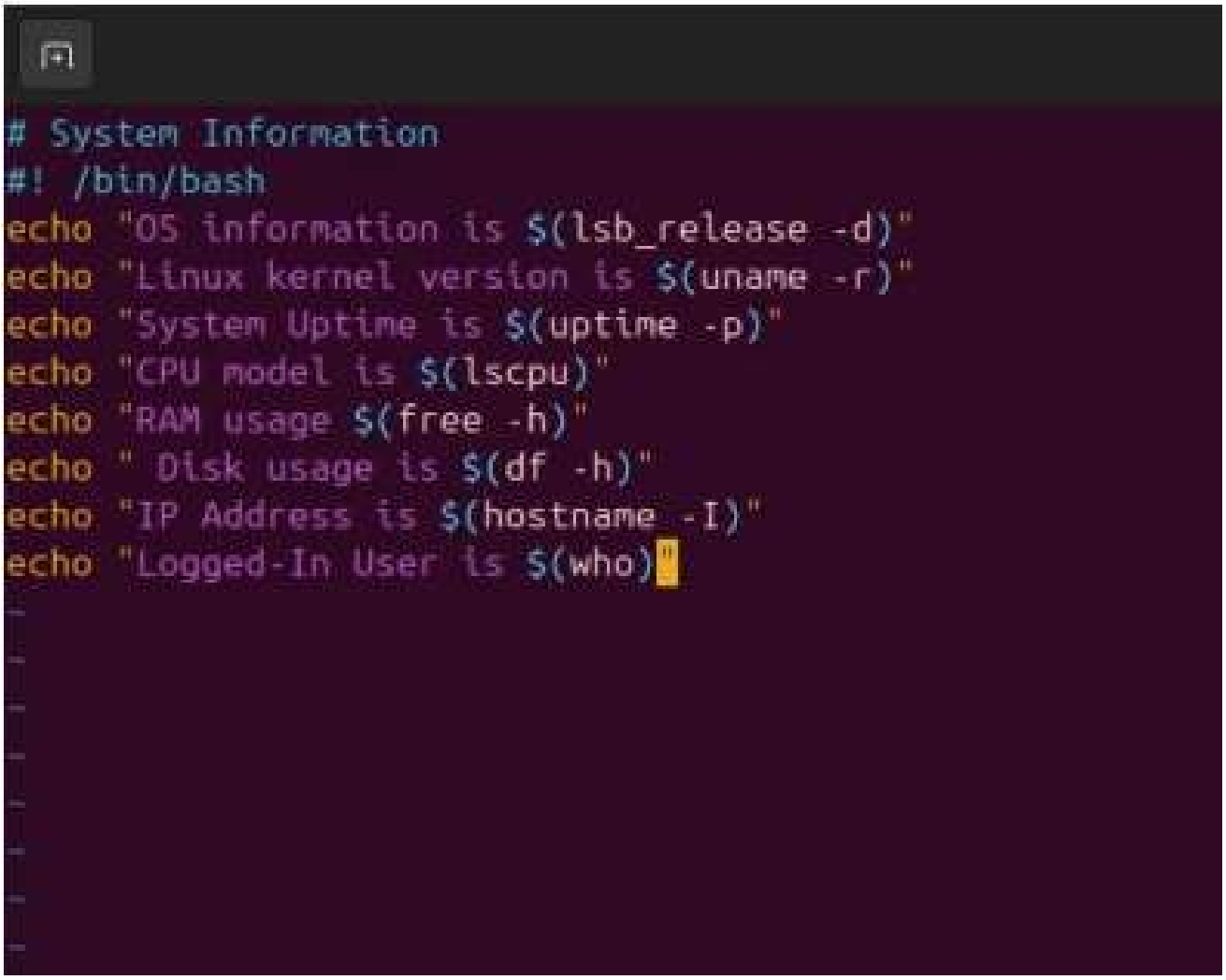
Experiment-8

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



```
# 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"
~
~
~
~
calculator.sh
```