OS TASK 3

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TASK 01:

Take sum of two numbers and then display it on the terminal.

```
  GNU nano 7.2
#!/bin/bash

echo "Hello Ma'am"
var="It's raining"
echo "$var"

sum=$(( $1 + $2 ))
echo "$sum"
```

```
┌──(kali㊀kali)-[~/Documents]
└─$ bash hello.sh 1 2
Hello Ma'am
It's raining
3
```

TASK 02:

Take two numbers and then which one of them is the greater.

```
  GNU nano 7.2
#!/bin/bash

echo "Hello Ma'am"
var="It's raining"
echo "$var"

read -p "FIRST NUMBER: " num1
read -p "SECOND NUMBER: " num2

if [ "$num1" -gt "$num2" ]
then
        echo "NUM1 IS GREATER THAN NUM2"
else
        echo "NUM2 IS GREATER THAN NUM2"
fi
```

```
┌──(kali㊀kali)-[~/Documents]
└─$ bash hello.sh
Hello Ma'am
It's raining
FIRST NUMBER: 1
SECOND NUMBER: 2
NUM2 IS GREATER THAN NUM2
```

TAKE 03:

Make a simple calculator using operators.

```
  GNU nano 7.2
#!/bin/bash

read -p "Enter the first number: " num1
read -p "Enter the second number: " num2

read -p "Enter the operation you want to perform (+, -, *, /): " operation

case $operation in
    +)
        result=$((num1 + num2))
        ;;
    -)
        result=$((num1 - num2))
        ;;
    *)
        if [[ $operation = "*" ]]; then
            result=$((num1 * num2))
        elif [[ $operation = "/" ]]; then
            result=$((num1 / num2))
        else
            echo "Invalid operation!"
            exit 1
        fi
        ;;
esac

echo "Result: $result"
```

```
┌──(kali㊀kali)-[~/Documents]
└─$ bash hello.sh
Enter the first number: 2
Enter the second number: 2
Enter the operation you want to perform (+, -, *, /): /
Result: 1
```