

Task1

```
asmaa@asmaa-VirtualBox:~/bash/day1$ bash task1.sh
enter first number:
5.6
enter second number:
3.7
5.6 + 3.7 = 9.3
5.6 - 3.7 = 1.9
asmaa@asmaa-VirtualBox:~/bash/day1$
```

```
GNU nano 6.2 task1.sh
#!/bin/bash
echo "enter first number: "
read n1
echo "enter second number: "
read n2
add=$(echo "$n1 + $n2" | bc)
echo "$n1 + $n2 = $add"
sub=$(echo "$n1 - $n2" | bc)
echo "$n1 - $n2 = $sub"
```

Task2

```
Valid floating point number
asmaa@asmaa-VirtualBox:~/bash/day1$ nano task2.sh
asmaa@asmaa-VirtualBox:~/bash/day1$ bash task2.sh
Enter a floating point number:
5
Invalid floating point number
asmaa@asmaa-VirtualBox:~/bash/day1$ bash task2.sh
Enter a floating point number:
4.5
Valid floating point number
asmaa@asmaa-VirtualBox:~/bash/day1$ bash task2.sh
Enter a floating point number:
gg
Invalid floating point number
asmaa@asmaa-VirtualBox:~/bash/day1$ bash task2.sh
Enter a floating point number:
-5.4
Valid floating point number
asmaa@asmaa-VirtualBox:~/bash/day1$
```

```
GNU nano 6.2 task2.sh
#!/bin/bash
echo "Enter a floating point number: "
read num
re="^[+-]?[0-9]*\.[0-9]$"
echo $num | grep -qE $re && echo "Valid floating point number" || echo "Invalid"
```

Task3

```
#!/bin/bash

load=$(uptime | awk '{print $10}')
date=$(date '+%Y-%m-%d %H:%M:%S')

echo "$date $load" >> /var/log/system-load
```