

Assignment 3

```
echo "Enter Size (N):"
read N

# Check if N is 0
if [ "$N" -eq 0 ]; then
    echo "No numbers to enter"
    exit 0
fi

# Validate N
if ! [[ "$N" =~ ^[0-9]+$ ]] || [ "$N" -le 0 ]; then
    echo "Error: N must be a positive number."
    exit 1
fi

i=1
sum=0

echo "Enter Numbers:"
while [ $i -le $N ]
do
    read num

    if ! [[ "$num" =~ ^[0-9]+$ ]]; then
        echo "Error: Please enter a valid positive number."
        continue # Skip the current iteration
    fi
```

```
sum=$((sum + num))
```

```
i=$((i + 1))
```

```
done
```

```
avg=$((sum / N))
```

```
echo "Sum: $sum"
```

```
echo "Average: $avg"
```

```
Asus@MrugankshaK MINGW64 ~  
$ ./ass3.sh  
Enter Size (N):  
0  
No numbers to enter  
  
Asus@MrugankshaK MINGW64 ~  
$ ./ass3.sh  
Enter Size (N):  
3  
Enter Numbers:  
5  
-9  
Error: Please enter a valid positive number.  
6  
8  
Sum: 19  
Average: 6
```