

Recursive function

1) Write a program where the recursive function calculates the sum of N numbers

ANS:

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GNU nano 6.2                                recursion.sh
#!/usr/bin/env bash

sumN(){
local temp=$1
if [ $temp -eq 0 ]; then
echo 0
else
prev_num=$((temp-1))
prev_sum=$(sumN $prev_num)
sum=$((temp+prev_sum))
echo $sum
fi
}
sumN 10
```

```
harsh@harsh:~$ ./recursion.sh
55
harsh@harsh:~$
```