## Spoken Tutorials - Bash Assignment Funded by the National Mission on Education through ICT Indian Institute of Technology Bombay, http://spoken-tutorial.org

-----

Recursive function

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

## ANS:

```
GNU nano 6.2
#!/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:~$
```