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 $_{\rm numbers}$

#Command in terminal

```
gedit sum.sh
chmod +x sum.sh
./sum.sh
```

#command in shell script

```
#!/usr/bin/env bash
function rec()
sum=$(($sum+$n))
if [ $n -gt 0 ];
then
 n=$(($n -1))
 rec $n
else
 echo "$sum"
fi
}
sum=0
read -p "Enter the number: " n
if [ $n -gt 0 ];
then
rec $n
else
 echo "The entered number is 0"
```



