Recursive function

1) Write a program where the recursive function calculates the sum of N
   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"
fi
```

```bash
#!/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"
fi
```