**Returning Text from functions**

Look at the following script

#!/bin/bash

return\_using\_globalvar() {

return\_value="How are you"

}

print\_message() {

input="$1"

echo "Message is ${input}"

}

return\_text\_by\_echo() {

input="$1"

echo "Message is ${input}"

}

# solution 1: Using global variables

return\_using\_globalvar

echo "${return\_value}"

# solution 2: Read the output

read -p "Enter your message "

return\_test=$(return\_text\_by\_echo "$REPLY")

echo "$return\_test"

**Recursive Functions**

Function that calls itself is recursive functions

#!/bin/bash

calculate\_factorial() {

if [ $1 -eq 1 ]

then

echo 1

else

local var=$(( $1 - 1 ))

local res=$(calculate\_factorial $var)

echo $(( $res \* $1 ))

fi

}

read -p "Enter a number: " val

factorial=$(calculate\_factorial $val)

echo "Factorial of $val is: $factorial"