What is meaning of $?, $#, $\*

file:test.sh

#! /bin/sh

echo '$#' $#

echo '$\*' $\*

echo '$?' $?

\*If you run the above script as\*

> ./test.sh 1 2 3

You get output:

$# 3

$\* 1 2 3

$? 0

$\* = stores all the arguments as a single string

$# = stores the number of arguments

$? = is used to find the return value of the last executed command (0 if return or 1 if not)

Examples

#!/bin/sh

true

result=$?

if [ $result = 0 ];then

echo "this condition is true"

else

echo "this condition is false"

fi

[root@syn ~]# ./ifconditio\_example.sh

this condition is true

<https://linuxhint.com/30_bash_script_examples/>

<https://www.macs.hw.ac.uk/~hwloidl/Courses/LinuxIntro/x961.html>

<https://github.com/epety/100-shell-script-examples/blob/master/001-inpath.sh>

<https://www.ubuntupit.com/simple-yet-effective-linux-shell-script-examples/>