**Read about the below topics**

* **Shebang :** #! is an human readable instance of a [magic number](http://en.wikipedia.org/wiki/Magic_number_(programming)" \l "Magic_numbers_in_files) consisting of the byte string, which is used by the exec() family of functions to determine whether the file to be executed is a script or a binary. When the shebang is present, exec() will run the executable specified after the shebang instead.

Note that this means that if you invoke a script by specifying the interpreter on the command line, as is done in both cases given in the question, exec() will execute the interpreter specified on the command line, it won't even look at the script.

In zabbix installation script, I have used this command and used option ‘s’

* **Awk :** This is command to Scans a file line by line, Splits each input line into fields, Compares input line/fields to pattern & Performs action on matched lines

Syntax : awk options 'selection \_criteria {action }' input-file > output-file

* **exit status :**Every Linux command executed by the shell script or user, has an exit status. The exit status is an integer number. The Linux man pages stats the exit statuses of each command. 0 exit status means the command was successful without any errors.

A non-zero (1-255 values) exit status means command was failure.

* **Sed :** This command perform lots of function on ‘file’ like, searching, find and replace, insertion or deletion

Syntax : sed OPTION [SCRIPT] [INPUTFILE]

* Make a script and pass 5 command line arguments(arguments value should be interger)
  + print 1st and 5th command line arguments
  + print "INDIA" if 2nd argument equal to 10 else it will print "india"
  + print addition of all arguments

#! /bin/bash

var=$1

if [ $var -lt 10 ]

then

for (( i=1; i<10; i++ ))

do

echo "$var \* $i = $(( $i \* $var ))"

done

elif [ $1 -gt 10 ]

then

v=INDIA

for (( $v=0; $v<5; $v++ ))

do

echo "$v"

done

fi

Make a script and pass one command line arguments(use loop)

* print the table of command line argument if value is less 10
* print 5 times "INDIA" if value is greater than or equal to 10

#! /bin/bash

myfunc()

{

for (( i=0; i<10; i++ ))

do

echo "$mychar"

done

}

echo "Enter your name"

read mychar

myfunc $mychar

**Question: Install the zabbix-agent using shell script**

* Set Hostname value in zabbix agent configuration file with -

ex. Hostname=192.168.22.10-zabbixagent

Done the zabbix part manually

I have not done it till zabbix client . I have created zabbix server which is linked to mysql

Following doc is followed.

<https://www.howtoforge.com/tutorial/centos-zabbix-system-monitoring/>