Part 13 Bash Shell Scripting

1. What is the meaning of IDE and give an example?

IDE means integrated development environment.

Example: Visual studio code

1. How do we change a specific word in vscode?

By selecting the word and choose the options change all occurrences.

1. How to edit on many lines at the same time in vscode?

We must press at the same time on the key bord ALT+ SHIFT+LEFT CLICK ON THE MOUSE to select all the lines that need to be edit at the same time.

1. How to search and replace a word in a parent directory, subdirectory, and file at one using vscode

We must press on the keyboard control + f this will open a search bar

Then, we put the word that we want to replace in the search bar,

Click on the right arrow to open the replace bar, write the new word and save.

1. Write a script than can check if our system is 32 or 64 bits
2. #! /bin/bash
3. echo "check the system amount of bits 32 or 64"
4. sleep 5
5. arch
6. chmod 777 script02.sh
7. arch="x86\_64"
8. echo $arch
9. echo "your system is $arch"

Text

Description automatically generated

6- Write a script that can check if our system is ubuntu or centos then update the system accordingly

#! /bin/bash

echo "what is the linux distribution of this system?"

cat /etc/\*release

sleep 5

LINUX\_DISTRIBUTION="ubuntu"

echo $LINUX\_DISTRIBUTION

if [[ $LINUX\_DISTRIBUTION == "ubuntu" ]]

then

echo "linux distribution of this system is $LINUX\_DISTRIBUTION"

sleep 10

fi

sudo apt-get upgrade -y

7. Write a script to check if the user running the script is root, if not, don’t run the script

1. Write a script to check if the user ansible exist, if not create it automatically
2. #! /bin/bash
3. USERNAME="ansible"
4. USERNAME= `cat /etc/passwd |grep ansible |awk -F":" '{print$1}'`
5. if [[ $USERNAME != "ansible" ]]
6. then
7. echo "user does not exist"
8. else
9. groupadd kubernetes
10. useradd $USERNAME
11. passwd $USERNAME
12. cat /etc/passwd |grep $USERNAME
13. cat /etc/shadow |grep $USERNAME
14. fi
15. Write a script that will ask the user to enter his name, if the user is your prefer name then echo you are on track, if not, echo you are not allow to use the system
16. #! /bin/bash
17. USERNAME="s5ludivine"
18. echo "my username is $USERNAME"
19. if [[ $USERNAME == "s5ludivine" ]]
20. then
21. echo "you are on track $USERNAME"
22. else
23. echo "you are not allow to use the system"