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==========

= Bash Lab 2 =

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1-

$ one.sh

You, 3 hours ago | 1 author (You)

```
#!/bin/bash
echo -n "Please Enter your name: "

read userName

echo "welcome $userName"      You, 3 hours ago • bash lab2
```

2-s1

$ twos1.sh

You, 3 hours ago | 1 author (You)

```
#!/bin/bash

#x=5 from the terminal asd arg
if [[ $#>0 ]];then

echo "vvalue of x with '\$1' method >>> $1"
 echo "vvalue of x with'\$x' method >>> $x"
else
    echo "vvalue of x with'\$x' method >>> $x"

fi

```

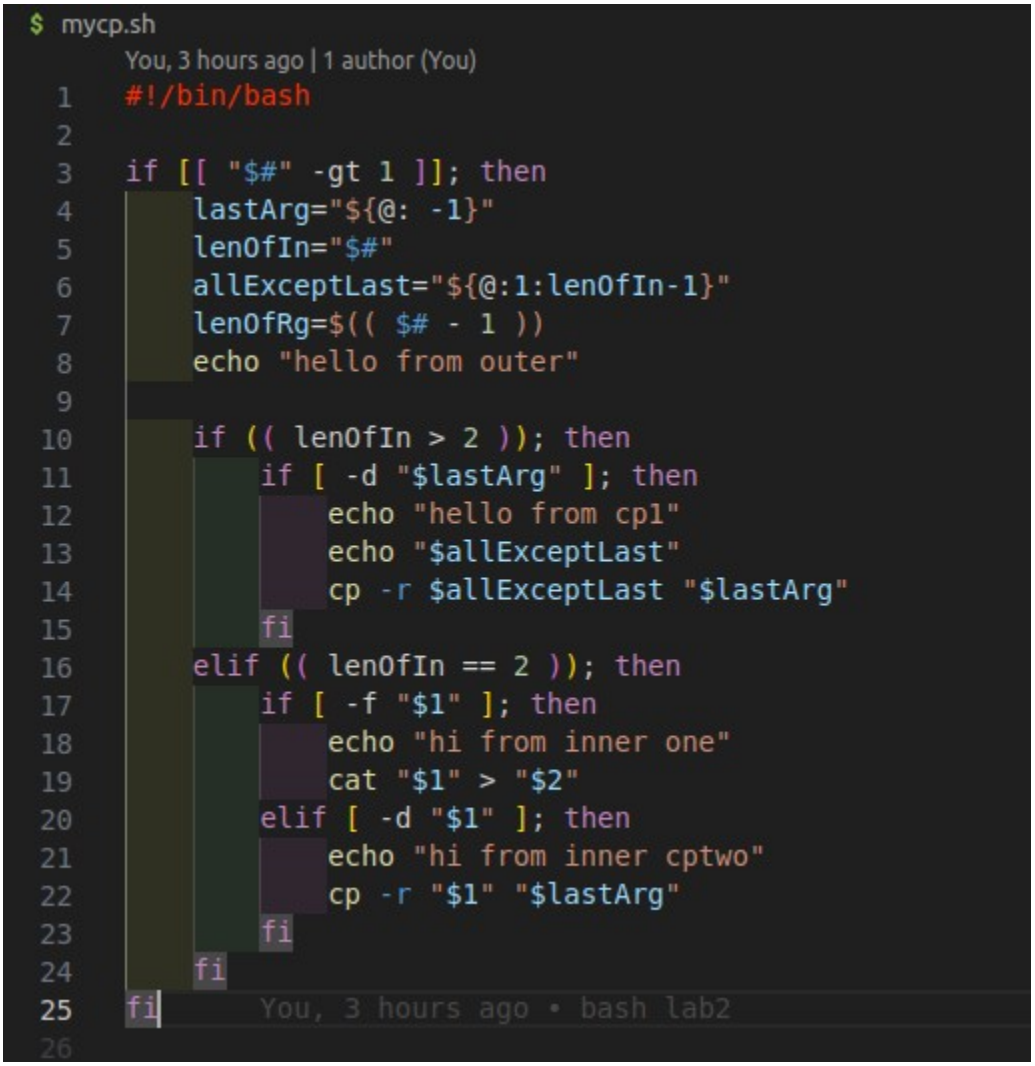
2-s2

$ twos2.sh

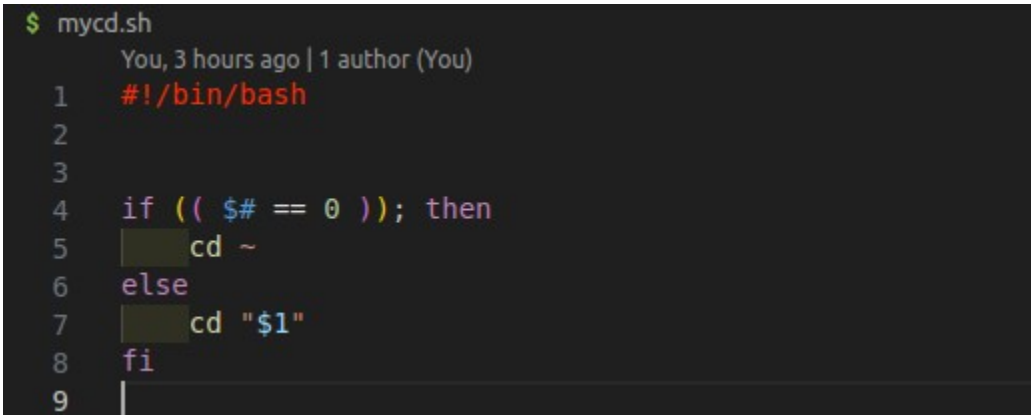
You, 3 hours ago | 1 author (You)

```
#!/bin/bash
if [[ $#>0 ]];then
echo "vvalue of x with '\$1' method >>> $1"
 echo "vvalue of x with'\$x' method >>> $x"
else
    echo "vvalue of x with'\$x' method >>> $x"
fi
```

3-


$ mycp.sh
You, 3 hours ago | 1 author (You)
#!/bin/bash
if [["$#" -gt 1]]; then
lastArg="${@: -1}"
lenOfIn="$#"
allExceptLast="${@:1:lenOfIn-1}"
lenOfRg=$(($# - 1))
echo "hello from outer"
if ((lenOfIn > 2)); then
if [-d "$lastArg"]; then
echo "hello from cp1"
echo "$allExceptLast"
cp -r $allExceptLast "$lastArg"
fi
elif ((lenOfIn == 2)); then
if [-f "$1"]; then
echo "hi from inner one"
cat "$1" > "$2"
elif [-d "$1"]; then
echo "hi from inner cptwo"
cp -r "$1" "$lastArg"
fi
fi
fi
You, 3 hours ago • bash lab2

4-


$ mycd.sh
You, 3 hours ago | 1 author (You)
#!/bin/bash
if (($# == 0)); then
cd ~
else
cd "$1"
fi

5-6

$ myls.sh

You, 6 minutes ago | 1 author (You)

```
#!/bin/bash

if (( $# == 0 )); then
    ls
elif (( $# == 1 )); then

    if [ "$1" = "-l" ]; then
        ls -1
    elif [ "$1" = "-a" ]; then
        echo "hello from -a"
        ls -a
    elif [ "$1" = "-d" ]; then
        ls -d
    elif [ "$1" = "-i" ]; then
        ls -i
    elif [ "$1" = "-R" ]; then
        ls -R
    else      You, 3 hours ago • bash lab2
        ls "$1"
    fi
elif (( $# == 2 )); then

    if [ "$1" = "-l" ]; then
        ls -1 "$2"
    elif [ "$1" = "-a" ]; then
        ls -a "$2"
    elif [ "$1" = "-d" ]; then
        ls -d "$2"
    elif [ "$1" = "-i" ]; then
        ls -i "$2"
    elif [ "$1" = "-R" ]; then
        ls -R "$2"
    fi

fi
```

7-

$ mytest.sh

You, 43 minutes ago | 1 author (You)

```
1  x=$1
2
3
4  if [ ! -e "$x" ]; then
5      echo "Error: $x does not exist."
6      exit 1
7  fi
8
9
10 if [ -f "$x" ]; then
11     echo "$x is a regular file."
12 elif [ -d "$x" ]; then
13     echo "$x is a dir"
14 else
15     echo "$x is not a file or dir"      You, 43 minu
16 fi
17
18
19 if [ -r "$x" ]; then
20     echo "$x has read permission."
21 else
22     echo "$x does not have read permission."
23 fi
24
25 if [ -w "$x" ]; then
26     echo "$x you can write in it"
27 else
28     echo "$x you cannot write in it"
29 fi
30
31 if [ -x "$x" ]; then
32     echo "$x is excutable"
33 else
34     echo "$x not excutable"
35 fi
```

8-

$ myinfo.sh

You, 29 seconds ago | 1 author (You)

```
#!/bin/bash

read -p "Enter usernerame: " username


if grep -q "^$username:" /etc/passwd; then

    user_info=$(grep "^$username:" /etc/passwd)


    home_directory=$(echo "$user_info" | cut -d: -f6)
    user_id=$(echo "$user_info" | cut -d: -f3)


    echo "User Information:"
    echo "Username: $username"
    echo "User ID: $user_id"
    echo "Home Directory: $home_directory"


    read -p "Do you want to copy files from the home directory? (y/n): " response
    if [ "$response" == "y" ]; then
        cp -r "$home_directory" /tmp/"$username"/
        echo "Files copied successfully."
    else
        echo "No files copied."
    fi
else
    echo "User not exists"
fi

echo "processes for user >>> $username:"
    ps -u $username
      You, 10 minutes ago • bash lab2 done

```