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sahal@kali:~/bash_script
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File   Actions   Edit   View   Help

```
sahal@kali:~$ cd bash_script
sahal@kali:~/bash_script$ ls
_3.sh              characters.txt   file1.txt   file_upper1.txt   sort_mark.txt   third_file.sh
arg1.sh            copy_file.sh     file2.txt   file_upper2.txt   sort.sh         upper_case.sh
arithmetic.sh      day.sh           file3.txt   name.sh           str_eql.sh
character_file.sh  dir_date.sh      file.sh     search_word.sh    sum.sh
sahal@kali:~/bash_script$ cat dir_date.sh
#my_dir="$(pwd)"
#my_date="$(date)"

echo "my current directory : $(pwd) "
echo "today date : $(date)"
sahal@kali:~/bash_script$ ./dir_date.sh
my current directory : /home/sahal/bash_script
today date : Sun May 30 23:40:44 IST 2021
sahal@kali:~/bash_script$ cat arithmetic.sh
let a=30
let b=20

let sum=a+b
let sub=a-b
let div=a/b
let mul=a*b
let rem=a%b

echo "sum=$sum"
echo "difference=$sub"
echo "division=$div"
echo "multiplication=$mul"
echo "remainder=$rem"
sahal@kali:~/bash_script$ ./arithmetic.sh
sum=50
difference=10
division=1
multiplication=600
remainder=10
sahal@kali:~/bash_script$
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```
sahal@kali:~/bash_script$ cat arg1.sh
first_name="$1"
second_name="$2"
third_name="$3"

echo "first name=$first_name"
echo "second name=$second_name"
echo "third name=$third_name"
echo "total number of arguments=$#"
sahal@kali:~/bash_script$ ./arg1.sh sahal neymar messi
first name=sahal
second name=neymar
third name=messi
total number of arguments=3
sahal@kali:~/bash_script$ cat _3.sh
if [ $# -eq 3 ]
then
        echo "3 arguments is passed through command line"
elif [ $# -lt 3 ]
then
        echo "less than 3 arguments is passed"
else
        echo "more than 3 arguments is passed"
fi
sahal@kali:~/bash_script$ ./_3.sh a d sds
3 arguments is passed through command line
sahal@kali:~/bash_script$ cat str_eql.sh
str1=$1
str2=$2

if [ $str1 == $str2 ]
        then
                echo "both strings are equal"
else
                echo "both strings are not equal"
fi
sahal@kali:~/bash_script$ ./str_eql.sh sahal sahal
both strings are equal
sahal@kali:~/bash_script$
```

```
sahal@kali:~$ cd bash_script
sahal@kali:~/bash_script$ cat file.sh
file="$1"
read -p "enter the file name to rename:" rename

if [ -f "$file" ]
        then
                $(mv $file $rename)
                echo "$file exist"
else
        echo "$file not exist"
fi
sahal@kali:~/bash_script$ ./file.sh
enter the file name to rename:file12.txt
 not exist
sahal@kali:~/bash_script$ cat search_word.sh
read -p "enter the file name:" file
read -p "enter the word to search in a file:" word

if [ -f "$file" ]
then
                if [ $(grep $word $file) ]
                then
                        echo "$word is found"
                else
                        echo "$word is not found"
                fi
else
        echo "$file not found"

fi
sahal@kali:~/bash_script$ ./search_word.sh
enter the file name:characters.txt
enter the word to search in a file:sahal
sahal is found
sahal@kali:~/bash_script$
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```
sahal@kali:~/bash_script$ cat copy_file.sh
read -p "enter the first file:" file1
read -p "enter the second file:" file2

if  [ -f "$file1" ] && [ -f "$file2" ]
        then
        $( cat $file1>>$file2 )
else
        echo "file not exist"
fi
sahal@kali:~/bash_script$ ./copy_file.sh
enter the first file:file1.txt
enter the second file:file2.txt
sahal@kali:~/bash_script$ cat file2.txt
loop
if else
hello
world
sahal@kali:~/bash_script$ cat third_file.txt
cat: third_file.txt: No such file or directory
sahal@kali:~/bash_script$ cat third_file.sh
file1="$1"
file2="$2"
file3="$3"

if [ -f $file1 ] && [ -f $file2 ] && [ -f $file3 ]
        then
        $( head -10 $file1 >> $file3 )
        $( head -10 $file2 >> $file3 )
else
        echo "file not found"
fi

sahal@kali:~/bash_script$ ./third_file.sh file1.txt file2.txt file3.txt
sahal@kali:~/bash_script$
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```
sahal@kali:~/bash_script$ cat character_file.sh
dir=$1
character=$2

if [ -d $dir ]
        then
        let a=$( ls -l | grep -a $character | wc -l )
        echo "number of files start with $character is $a"
else
        echo "$dir doesn't exist"
fi
sahal@kali:~/bash_script$ ./character_file.sh /home/sahal/bash_script
Usage: grep [OPTION]... PATTERNS [FILE]...
Try 'grep --help' for more information.
number of files start with  is 0
sahal@kali:~/bash_script$ ./character_file.sh /home/sahal/bash_script f
number of files start with f is 9
sahal@kali:~/bash_script$ cat upper_case.sh
read -p "enter the 1st file: " file1
read -p "enter the 2nd file: " file2

if [ -f $file1 ] && [ -f $file2 ]
        then
        $( echo $file1 | tr 'a-z' 'A-Z' > $file1 )
        $( head -2 $file1 > $file2 )

else
        echo "file not exist"
fi
sahal@kali:~/bash_script$ ./upper_case.sh
enter the 1st file: file1.txt
enter the 2nd file: file2.txt
sahal@kali:~/bash_script$ cat name.sh
read -p "enter the name:" name
let len_name=${#name}
echo "reverse name=$( echo $name | rev )"
echo "length of name=$len_name"
sahal@kali:~/bash_script$ ./name.sh
enter the name:sahal
reverse name=lahas
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sahal@kali:~/bash_script$ ./name.sh
enter the name:sahal
reverse name=lahas
length of name=5
sahal@kali:~/bash_script$ cat sort.sh
read -p "enter the file name: " file
if [ -f $file ]
        then
        sort -k 2n $file
else
        echo "$file not found"
fi
sahal@kali:~/bash_script$ ./sort.sh
enter the file name: sort_mark.txt
niranjan 12 33
sahal 45 123
ajith 100 55
sahal@kali:~/bash_script$ cat sum.sh
read -p "enter the nth value:" n
echo "enter the numbers"
sum=0
for((i=1;i≤$n;i++))
        do
        read num
        sum=$((sum+num))
done
echo "sum of numbers=$sum"
sahal@kali:~/bash_script$ ./sum.sh
enter the nth value:3
enter the numbers
2
5
7
sum of numbers=14
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sahal@kali:~/bash_script$ cat day.sh
read -p "enter the number corresponding to day : " num
case $num in
                "1")
                        echo "monday"
                ;;
                "2")
                        echo "tuesday"
                ;;
                "3")
                        echo "wednesday"
                ;;
                "4")
                        echo "thuesday"
                ;;
                "5")
                        echo "friday"
                ;;
                "6")
                        echo "saturday"
                ;;
                "7")
                        echo "sunday"
                ;;
                *)
                        echo "invalid number"
                ;;
esac
sahal@kali:~/bash_script$ ./day.sh
enter the number corresponding to day : 5
friday
sahal@kali:~/bash_script$ ./day.sh
enter the number corresponding to day : 1
monday
sahal@kali:~/bash_script$ ./day.sh
enter the number corresponding to day : 9
invalid number
sahal@kali:~/bash_script$
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