OS Assignment2 Name:Ashwini Dhumal PRN:23038072005

Q.1. How to write shell script that will add two nos, which are supplied as command line argument, and if this two nos are not given show error and its usage

=>

#!/bin/bash

read -p "Enter first number: " num1

read -p "Enter second number: " num2

sum=$(( $num1 + $num2 ))

echo "Sum is: $sum"

Q.2.Write Script to find out biggest number from given three nos. Nos are supplies as command line argument. Print error if sufficient arguments are not supplied.

=> #!/bin/bash

echo "Enter Num1"

read num1

echo "Enter Num2"

read num2

echo "Enter Num3"

read num3

if [ $num1 -gt $num2 ]&& [ $num1 -gt $num3 ]

then

echo $num1

elif [ $num2 -gt $num1 ]&& [ $num2 -gt $num3 ]

then

echo $num2

else

echo $num3

fi

Q.3.Write script to print nos as 5,4,3,2,1 using while loop

=>

#!/ bin / bash

read - p "Enter string:" string

len

= $

{

#string

}

till i=0

for ((i = $len - 1; i>= 0; i--))

do

reverse = "$reverse${string:$i:1}" done

echo "$reverse"

Q.4. Write Script, using case statement to perform basic math operation as follows + addition - subtraction x multiplication / division

=>

# !/bin/bash

echo "Enter Two numbers : "

read a

read b

echo "Enter Choice :"

echo "1. Addition"

echo "2. Subtraction"

echo "3. Multiplication"

echo "4. Division"

read ch

case $ch in

1)res=`echo $a + $b | bc`

;;

2)res=`echo $a - $b | bc`

;;

3)res=`echo $a \\* $b | bc`

;;

4)res=`echo "scale=2; $a / $b" | bc`

;;

esac

echo "Result : $res"

Q.5.Write Script to see current date, time, username, and current directory.

=>

echo "Current date and time: $(date)"&&echo "Username: $USER"&&echo "Current directory: $(pwd)"

Q.6.Write script to print given number in reverse order, for eg. If no is 123 it must print as 321.

=>

#!/bin/bash

echo -n "Enter a number: "

read num

reverse=""

while [ "$num" -gt0 ]

do

digit=$(($num % 10))

reverse="$reverse$digit"

num=$(($num / 10))

done

echo "Reversed number: $reverse"

Q.7.Write script to print given numbers sum of all digit, For eg. If no is 123 it's sum of all digit will be 1+2+3 = 6.

=>

$ !/bin/bash

Num=123

g=$Num

s=0

while [ $Num -gt0 ]

do

k=$(( $Num % 10 ))

Num=$(( $Num / 10 ))

s=$(( $s + $k ))

done

echo "sum of digits of $g is : $s"

Q.8.Write script to determine whether given file exist or not, file name is supplied as command line argument, also check for sufficient number of command line argument

=>

#!/bin/bash

if [ $# -lt1 ]

then

echo "Usage: $0 <filename>"

exit 1

fi

if [ -e "$1" ]

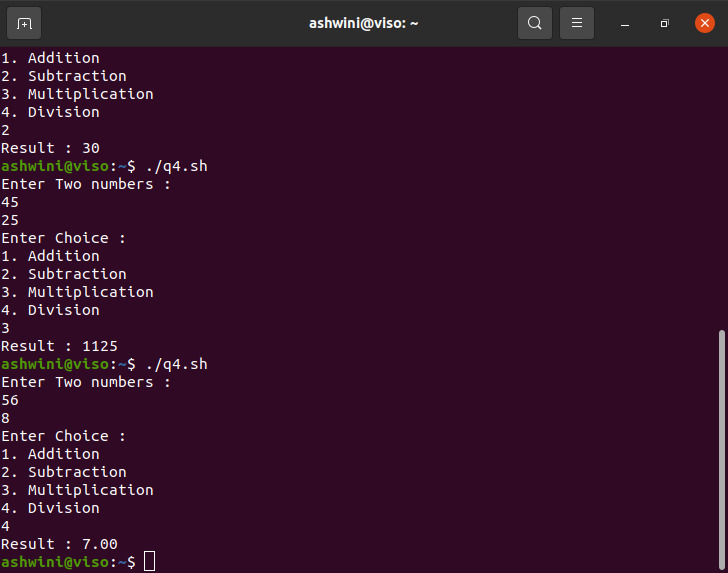
then

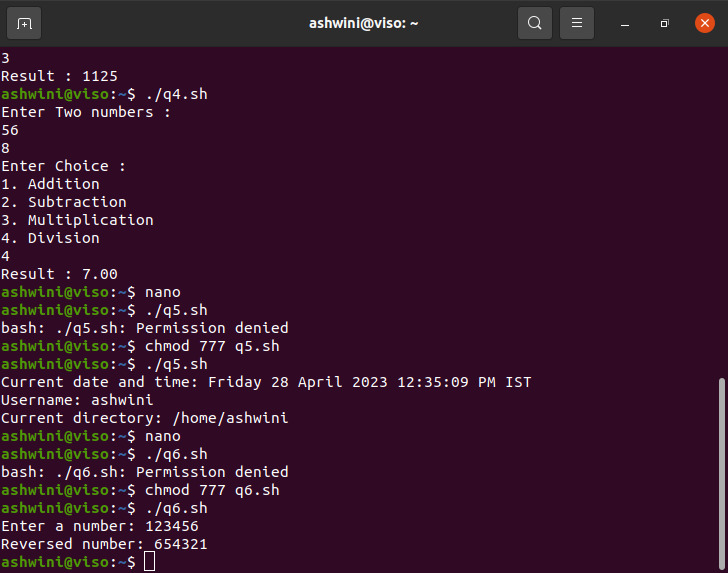
echo "File $1 exists"

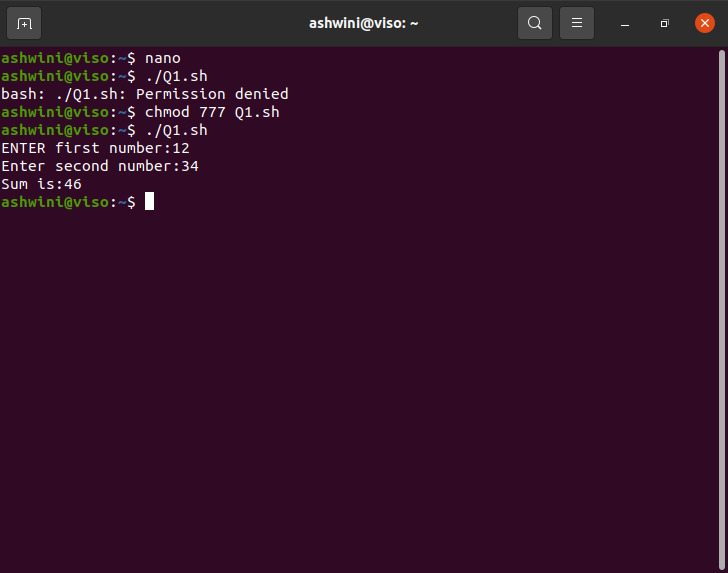
else

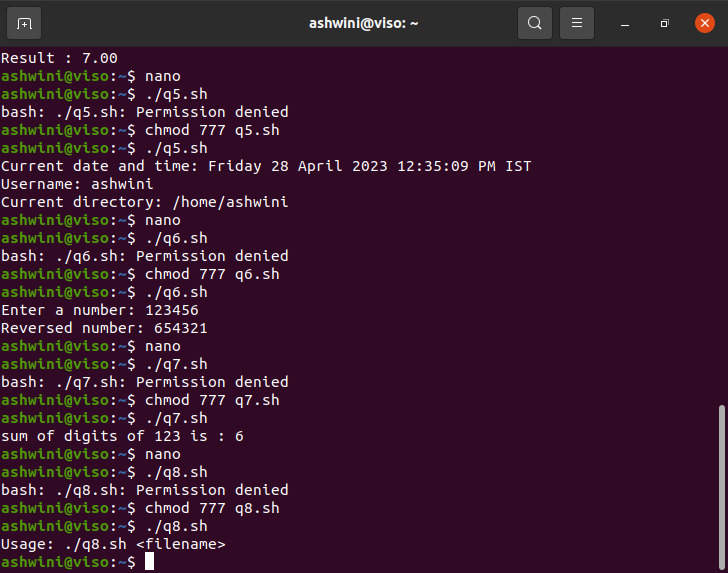
echo "File $1 does not exist"

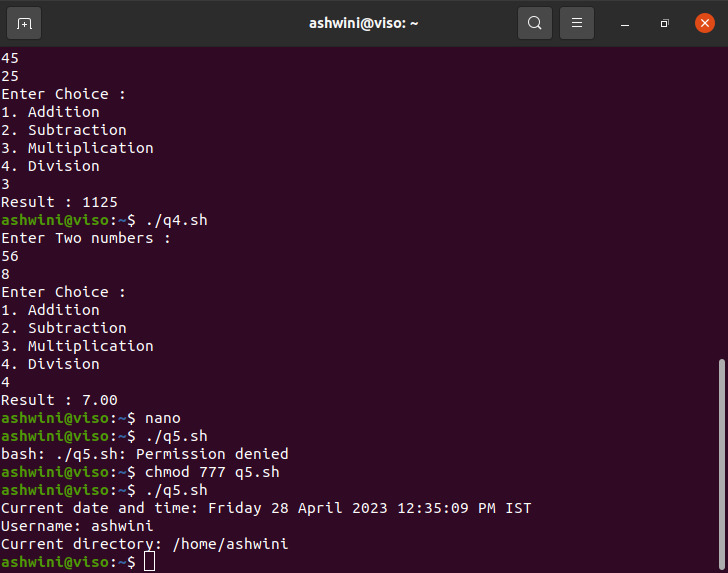
fi

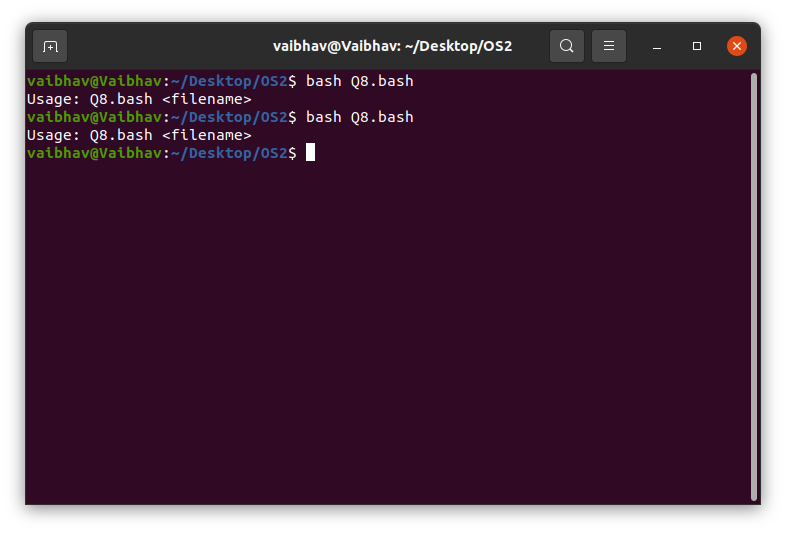
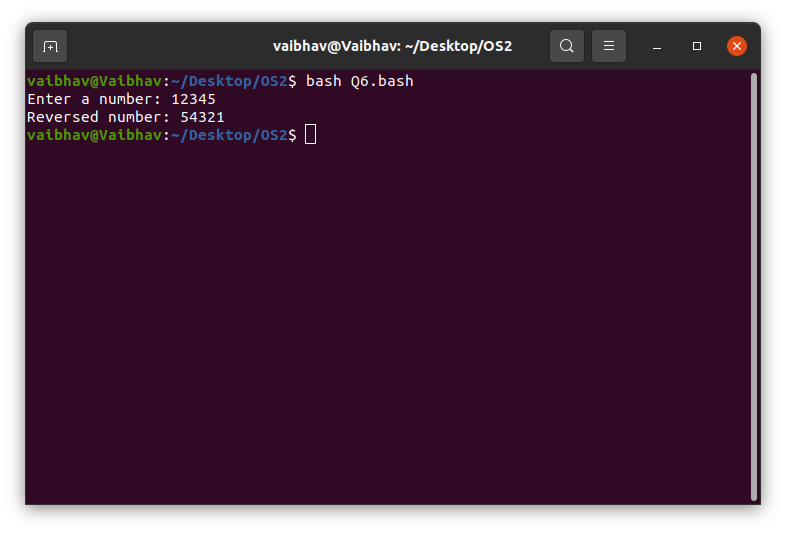
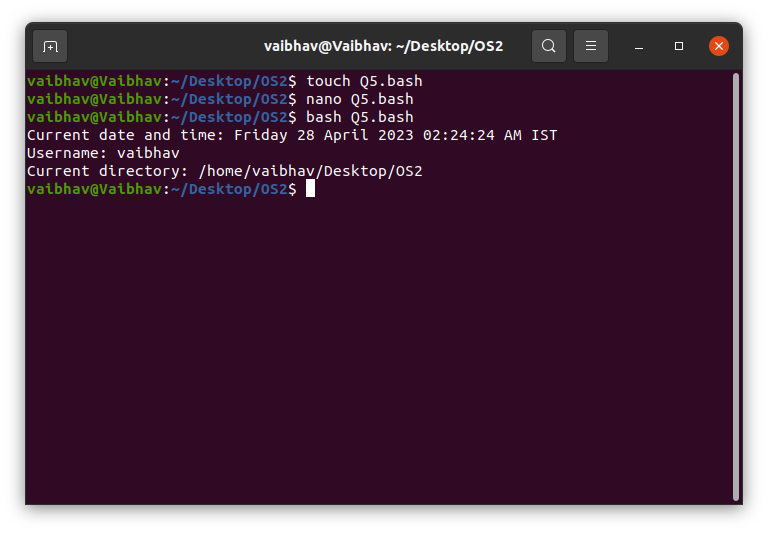
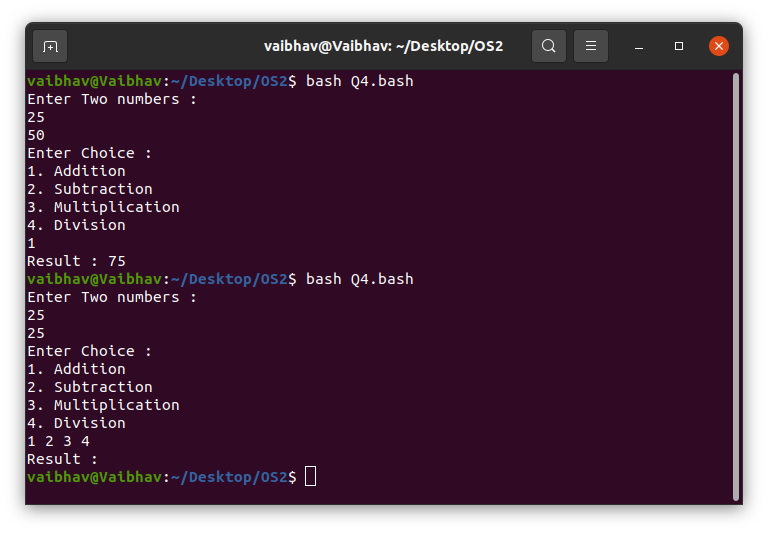
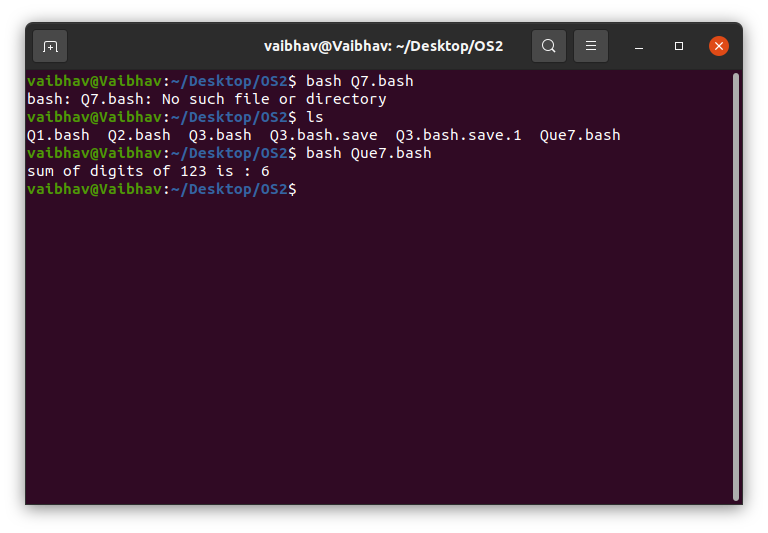
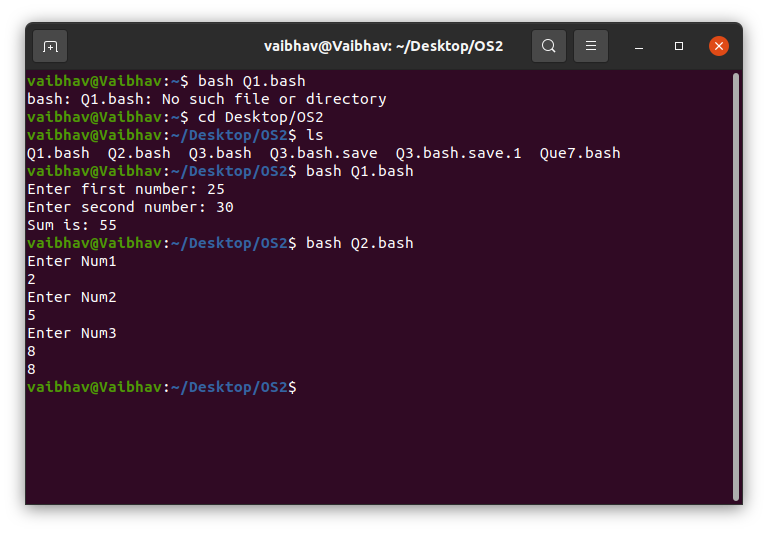
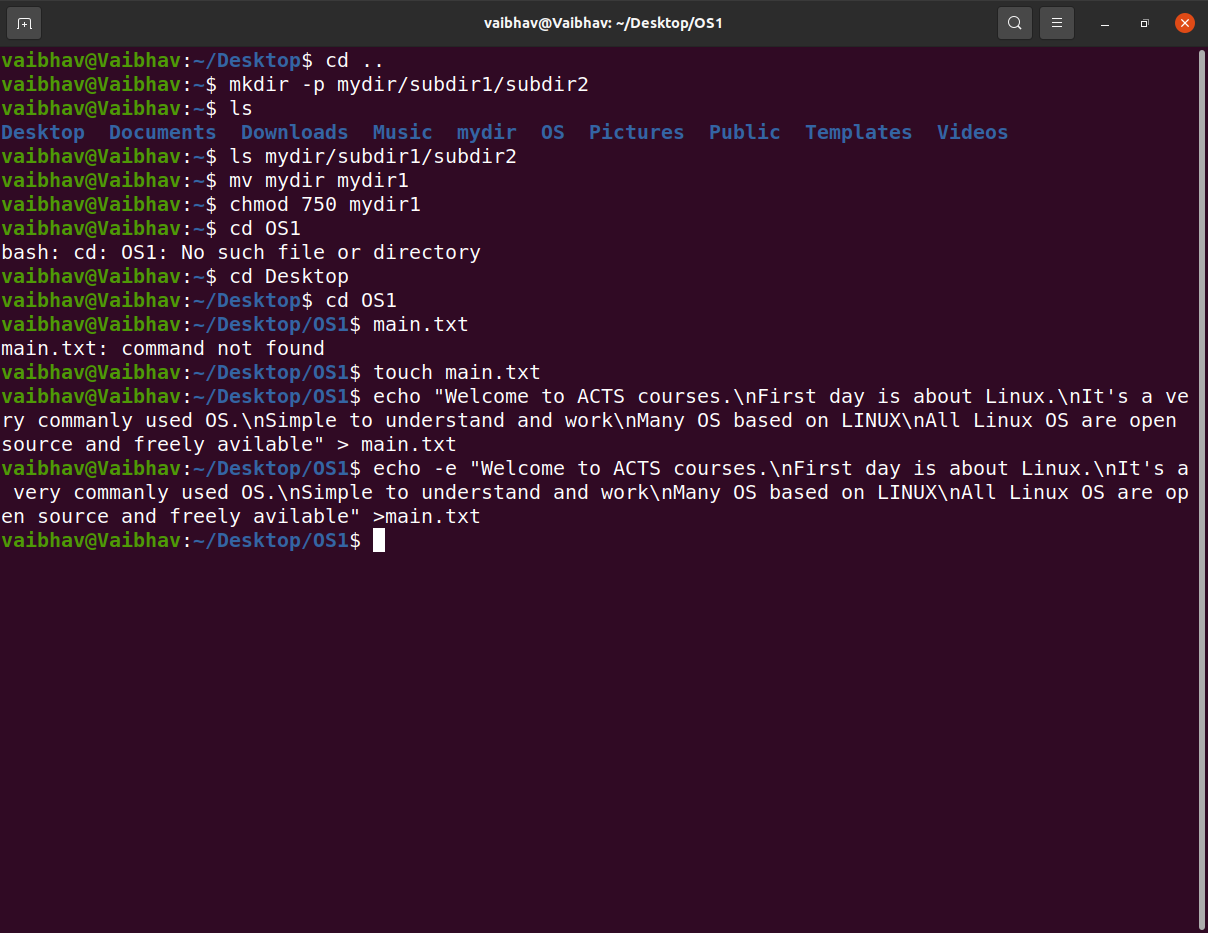






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