OS Lab Assignment - 12

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Section -: C

Roll No. -: 31

Subject -: Operating System Lab (BCSC 0803)

Submitted To -: Ms. Nidhi

NOTE: *Github link for Script*

Write the shell script to take file name as input and if the file exists then print the number of lines and also print 10th line of that file.

```bash
# !/usr/bin/bash

# For run this shell script use this syntax "sh Num_Line.sh"

#------------------------------------------------------------------------------
-----------
# Write the shell script to take file name as input and if the file exists then
print the
# number of lines and also print 10 th line of that file.
#------------------------------------------------------------------------------
----------

# This command for clear all running statement in terminal
clear

echo "----------------------------------------------------------------------"
echo "\t Print number of lines & Print 10th line"
echo "----------------------------------------------------------------------"

# Enter File name for see result
read -p "File Name : " File_Name
echo

# Make sure file exist
if [ ! -f $File_Name ]
then
        echo "$File_Name not exist."
        echo "----------------------------------------------------------------
-------------------"
        exit 1   # If condition is true then exit the script
fi

echo "------------------------------------------------------------------------
--------"
```

```bash
# use cat command for display file content
cat $File_Name
echo "-------------------------------------------------------------------------
---------"

# wc command for display number of line
w=$(wc -l $File_Name)
echo "Number of lines : $w (File Name)"
echo "-------------------------------------------------------------------------
---------"

# use sed command for display 10th line
s=$(sed -n '10p' $File_Name)
echo "10th Line : "
echo
echo $s
echo "-------------------------------------------------------------------------
--------"
echo
echo "Thank Yoy !"
```
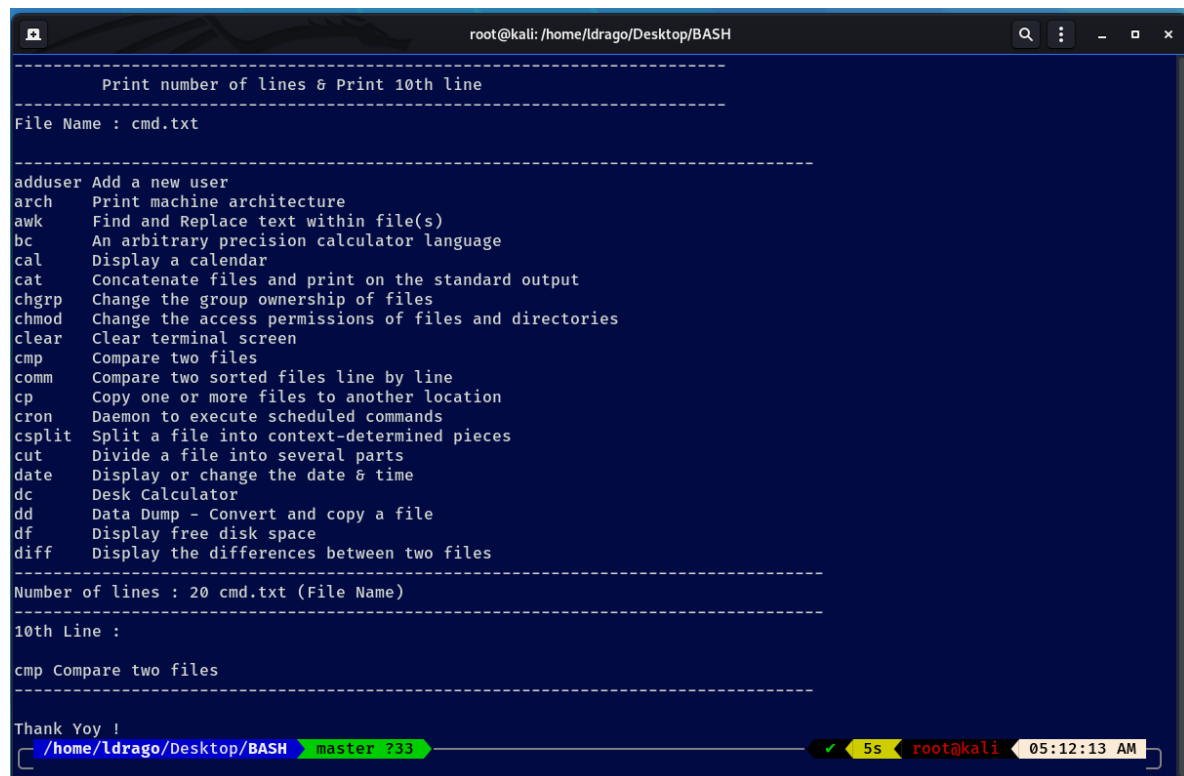
OUTPUT:

```
--------------------------------------------------------------------
        Print number of lines & Print 10th line
--------------------------------------------------------------------
File Name : cmd.txt

--------------------------------------------------------------------------
adduser Add a new user
arch    Print machine architecture
awk     Find and Replace text within file(s)
bc      An arbitrary precision calculator language
cal     Display a calendar
cat     Concatenate files and print on the standard output
chgrp   Change the group ownership of files
chmod   Change the access permissions of files and directories
clear   Clear terminal screen
cmp     Compare two files
comm    Compare two sorted files line by line
cp      Copy one or more files to another location
cron    Daemon to execute scheduled commands
csplit  Split a file into context-determined pieces
cut     Divide a file into several parts
date    Display or change the date & time
dc      Desk Calculator
dd      Data Dump - Convert and copy a file
df      Display free disk space
diff    Display the differences between two files
--------------------------------------------------------------------------
Number of lines : 20 cmd.txt (File Name)
--------------------------------------------------------------------------
10th Line :

cmp Compare two files
--------------------------------------------------------------------------

Thank Yoy !
/home/ldrago/Desktop/BASH  master ?33          ✓  5s  root@kali  05:12:13 AM
```