OS_Lab Assignment 2 -Shell Script_Part 1

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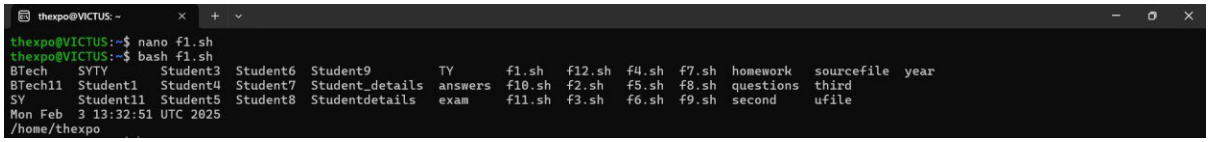
Write shell script to execute command ls, date, pwd repetitively



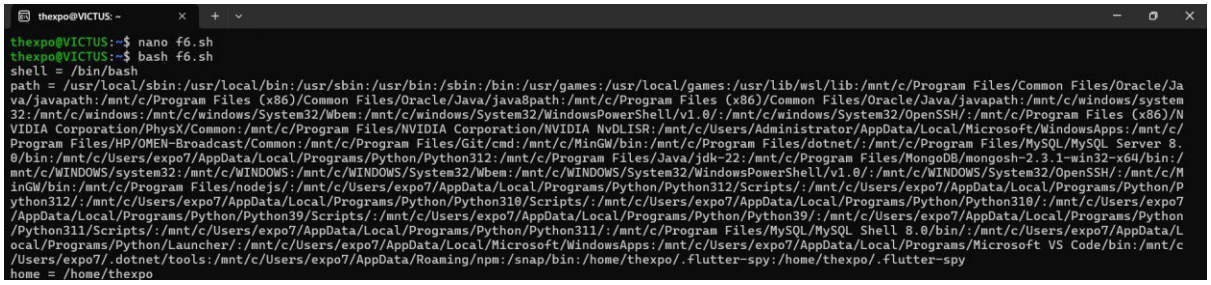
Write a shell script to assign value to the variable? Display value with $ and without $.

Variables are untyped in Shell Script. Write a shell script to show variables are untyped.

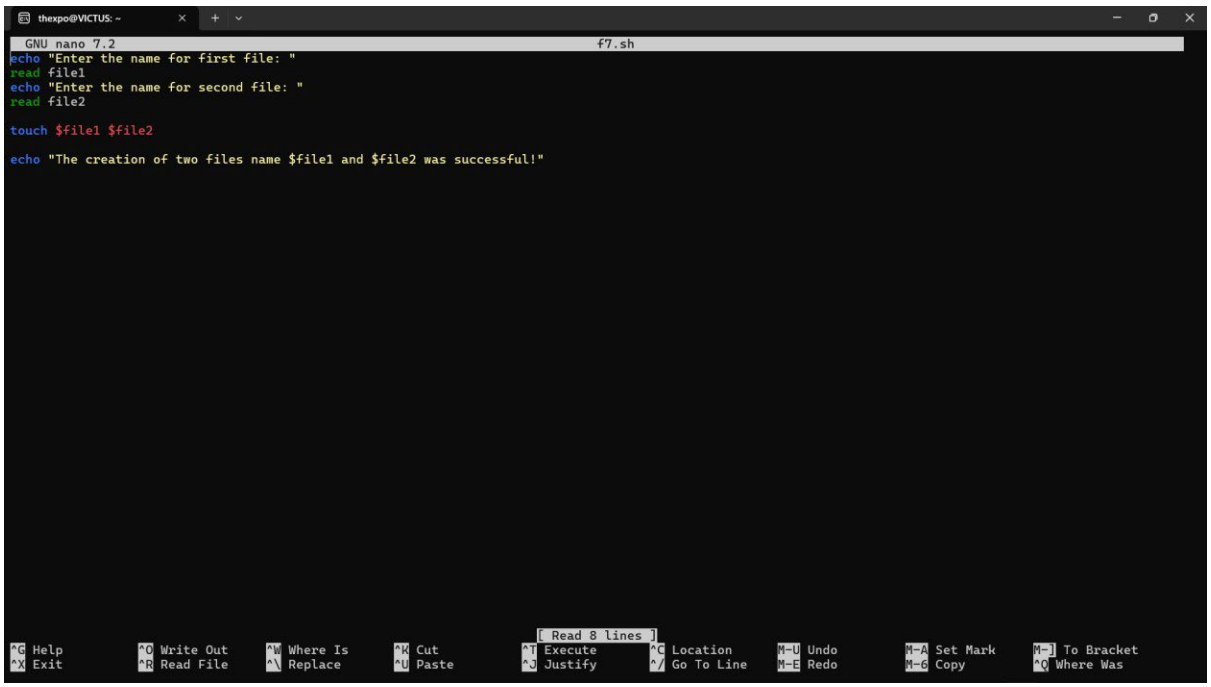
Write a shell script to accept numbers from user. (Keyboard)

Write a shell script to accept numbers from command line arguments.

Write a shell script to show the contents of environmental variables SHELL,PATH,HOME.

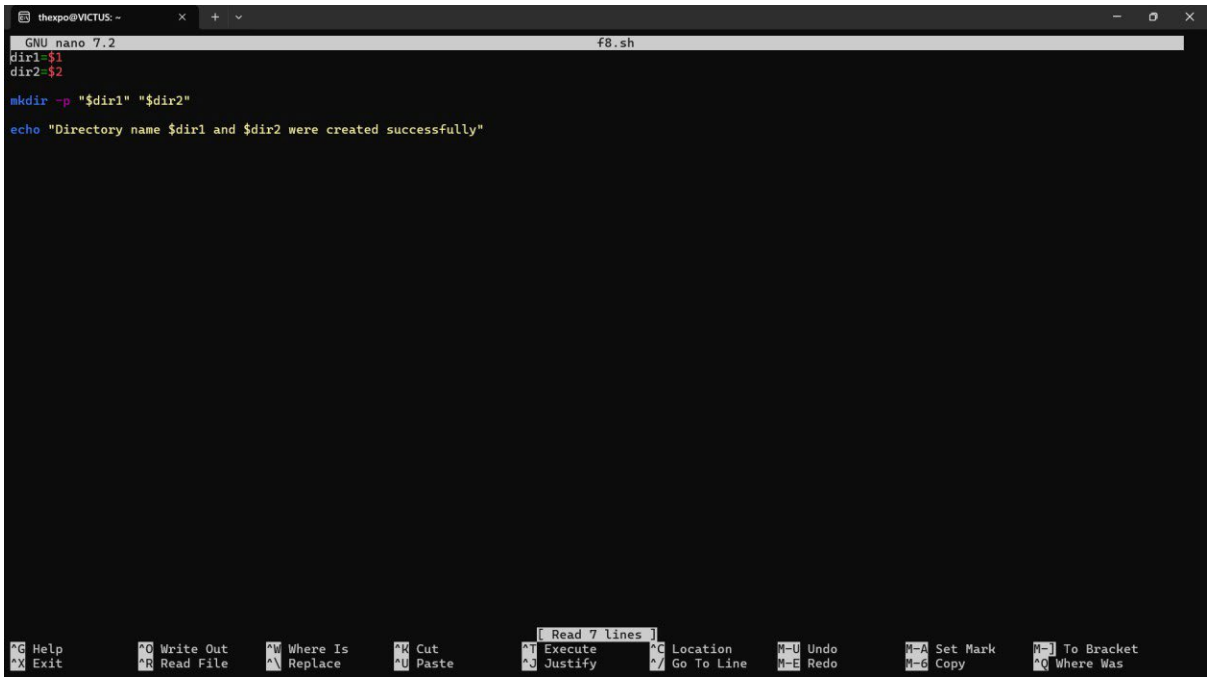


Write a shell script to create two files. Accept file names from user.



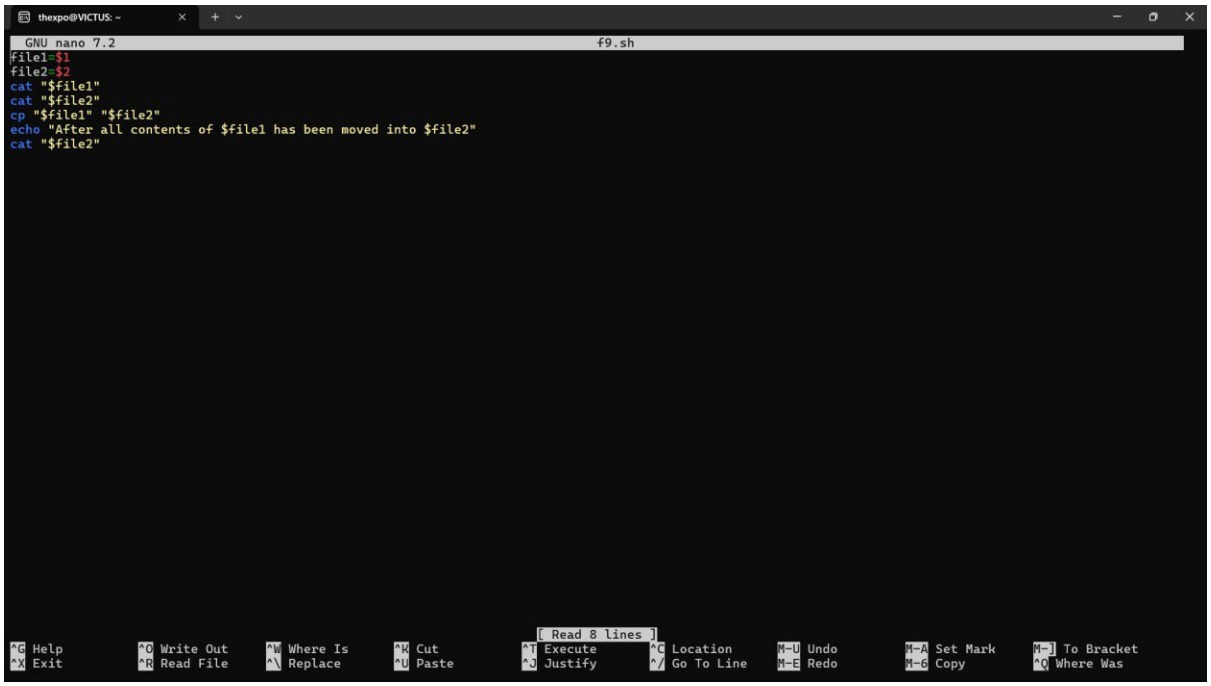
```
thexpo@VICTUS:~$ nano f7.sh
thexpo@VICTUS:~$ bash f7.sh
Enter the name for first file:
physics
Enter the name for second file:
maths
The creation of two files name physics and maths was successful!
```

Write a shell script to create two directories. Accept directories name from Command line.



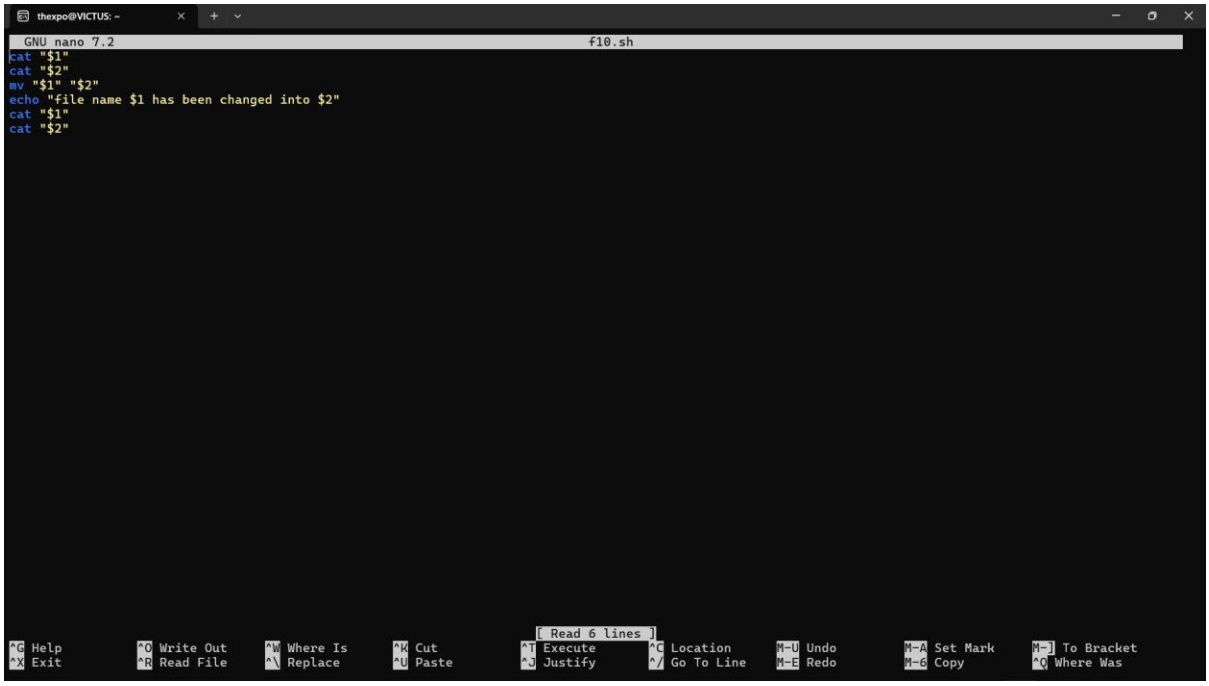

```
thexpo@VICTUS:~$ nano f8.sh
thexpo@VICTUS:~$ bash f8.sh second_year third_year
Directory name second_year and third_year were created successfully
```

Write a shell script to copy file content of one file to another file. Accept files names from command line argument.



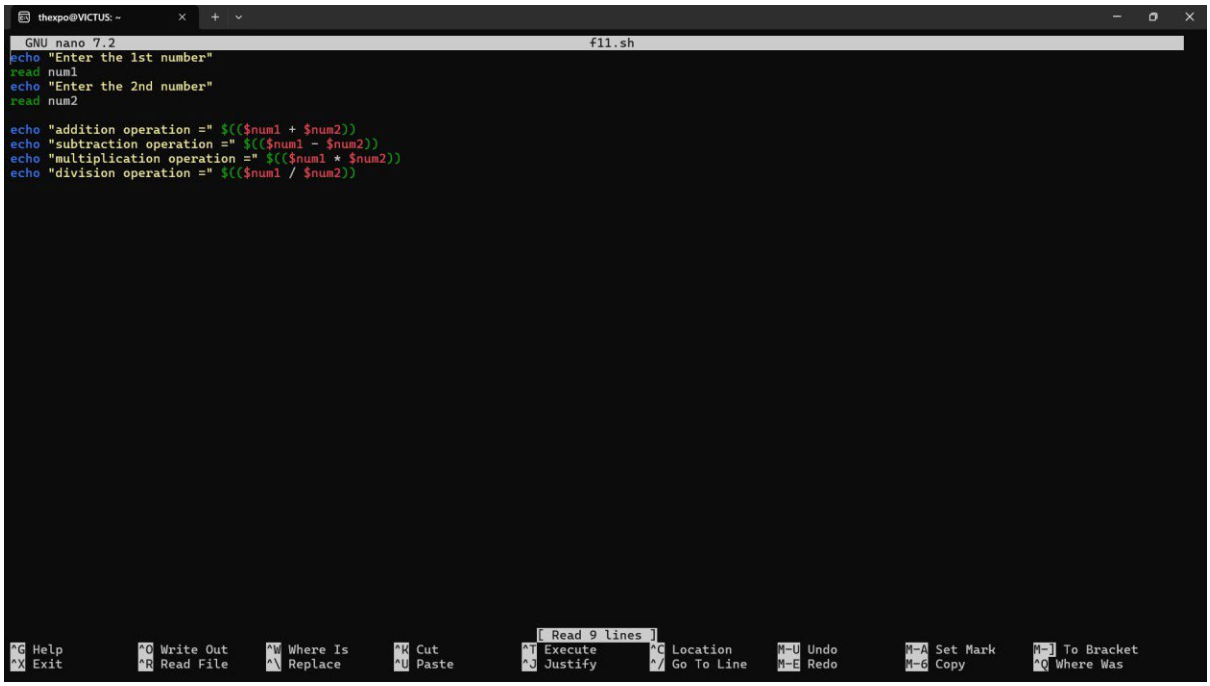
```
thexpo@VICTUS:~$ nano f9.sh
thexpo@VICTUS:~$ bash f9.sh sourcefile desfile
This is the sourcefile
This is destinationfile
After all contents of sourcefile has been moved into desfile
This is the sourcefile
```

Write a shell script to rename the file name. Accept old filename and new filename from command line argument.




```
thexpo@VICTUS:~$ nano f10.sh
thexpo@VICTUS:~$ bash f10.sh sourcefile desfile
This is sourcefile 2
This is destinationfile 2
file name sourcefile has been changed into desfile
cat: sourcefile: No such file or directory
This is sourcefile 2
```

Write a shell script to perform arithmetic operation of integer data.



```
thexpo@VICTUS:~$ nano f11.sh
thexpo@VICTUS:~$ bash f11.sh
Enter the 1st number
10
Enter the 2nd number
20
addition operation = 30
subtraction operation = -10
multiplication operation = 200
division operation = 0
```

Write a shell script to perform arithmetic operation of float data.

```
 GNU nano 7.2                                                  f12.sh
echo "Enter the 1st number"
read float1
echo "Enter the 2nd number"
read float2

echo "Addition operation = $(echo "scale=2; $float1 + $float2" | bc)"
echo "Subtraction operation = $(echo "scale=2; $float1 - $float2" | bc)"
echo "Multiplication operation = $(echo "scale=2; $float1 * $float2" | bc)"
echo "Division operation = $(echo "scale=2; $float1 / $float2" | bc)"

                                [ Read 9 lines ]
^G Help      ^O Write Out  ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo    M-A Set Mark  M-] To Bracket
^X Exit      ^R Read File  ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line M-E Redo    M-6 Copy      ^Q Where Was
```

```
thexpo@VICTUS:~$ nano f12.sh
thexpo@VICTUS:~$ bash f12.sh
Enter the 1st number
10.5
Enter the 2nd number
11.3
Addition operation = 21.8
Subtraction operation = -.8
Multiplication operation = 118.65
Division operation = .92
```