Process-program in execution

Foreground and Background Process

Parent Process – created by user and may have multiple child process

Orphan process -

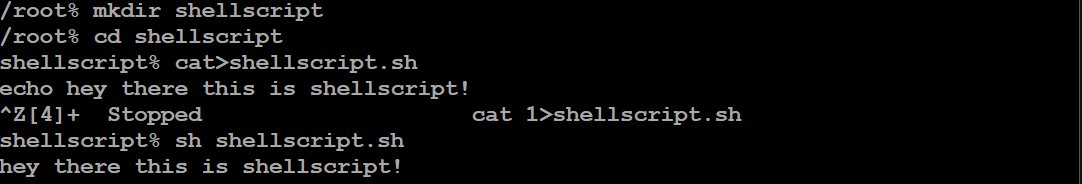
<https://www.geeksforgeeks.org/processes-in-linuxunix/>

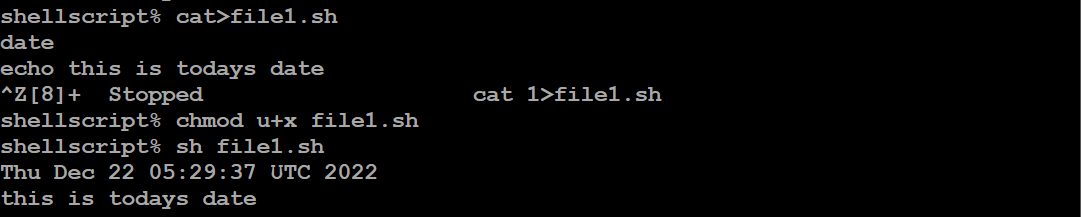
echo

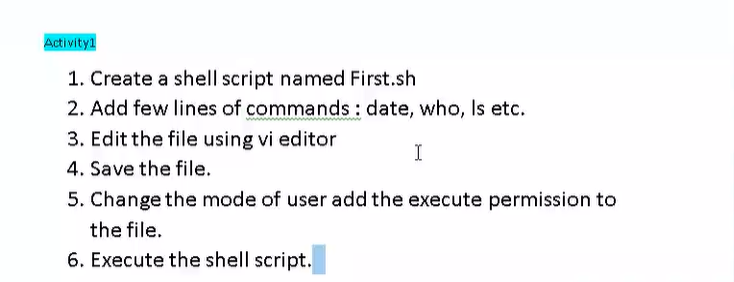
cal

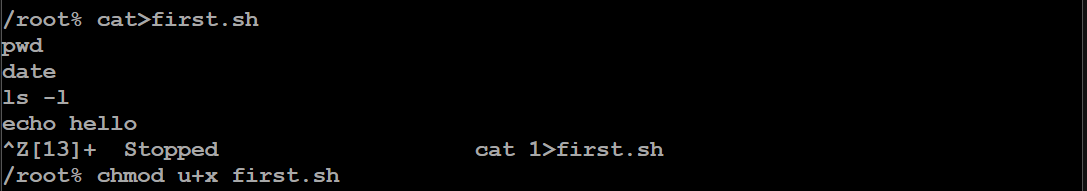
who

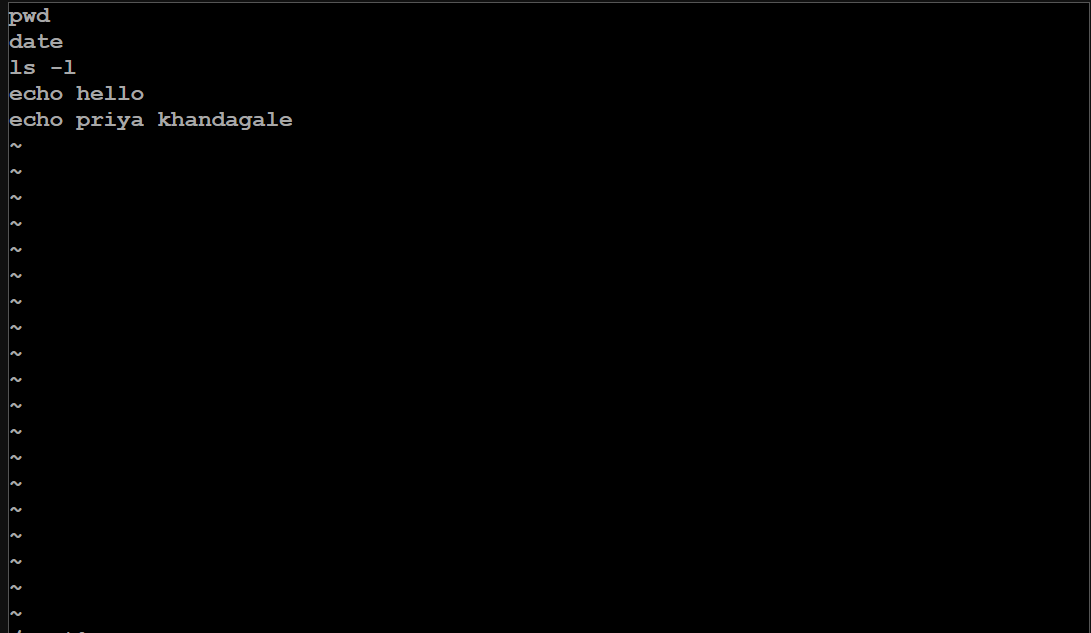
shellscripts:

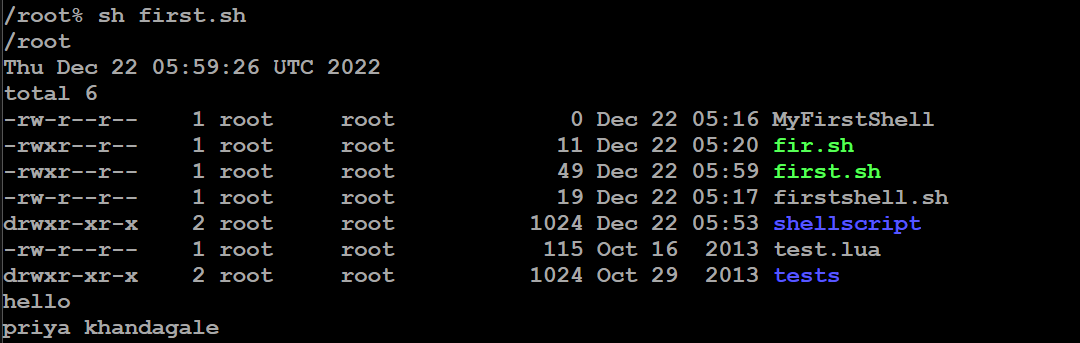












**Types of Redirection**

**1. Overwrite**

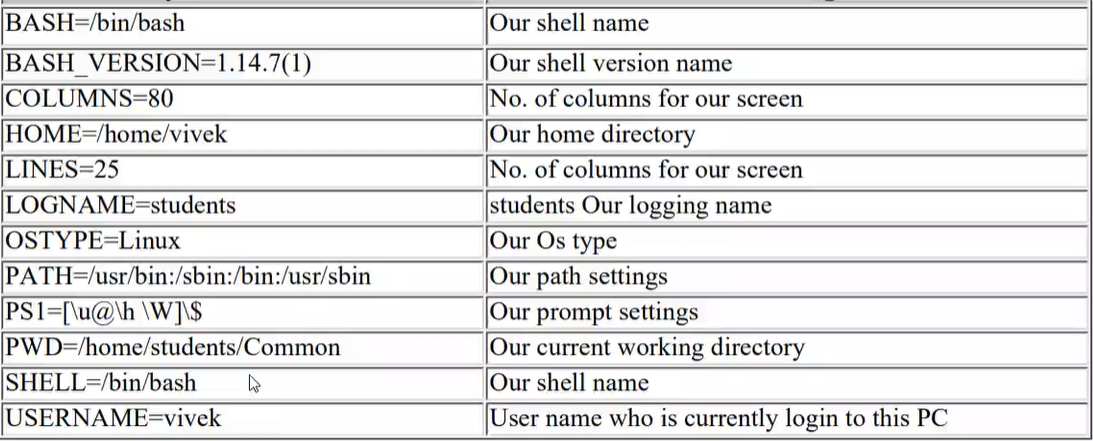
* “>” standard output
* “<” standard input

**2. Appends**

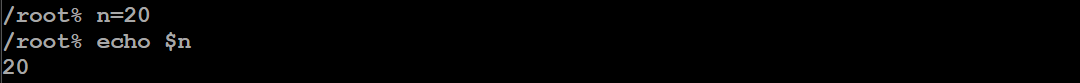
* “>>” standard output
* “<<” standard input

**3. Merge**

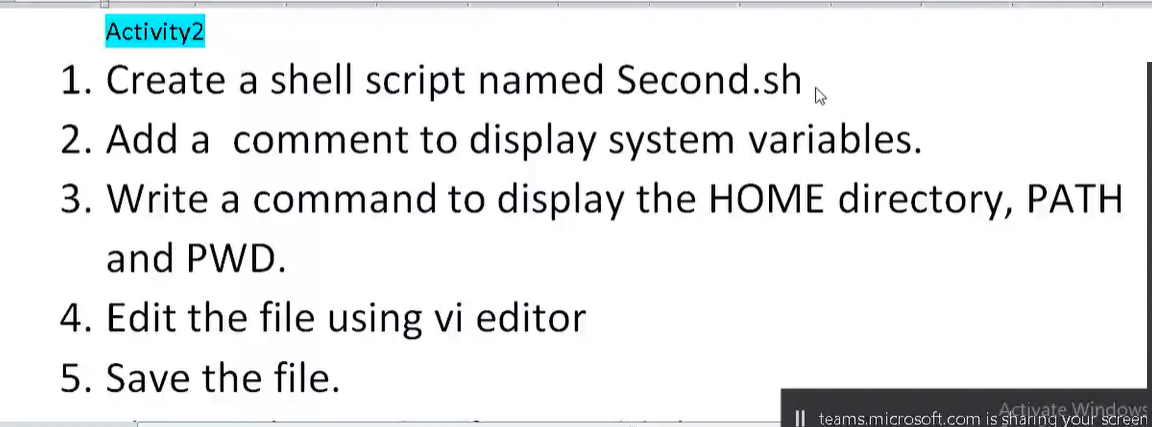
* “p >& q” Merges output from stream p with stream q
* “p <& q” Merges input from stream p with stream q

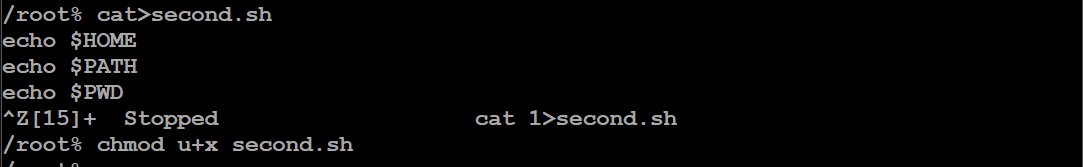


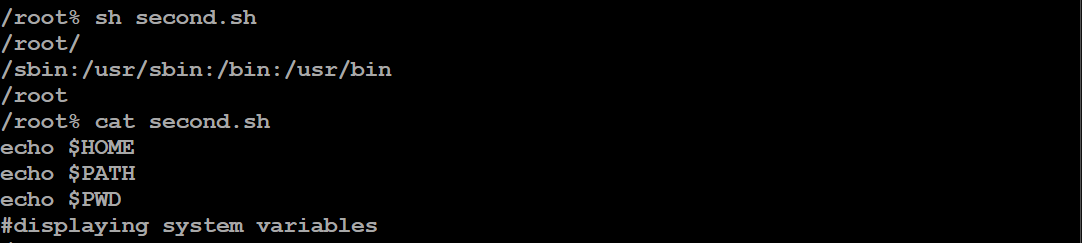
Variable declaration:



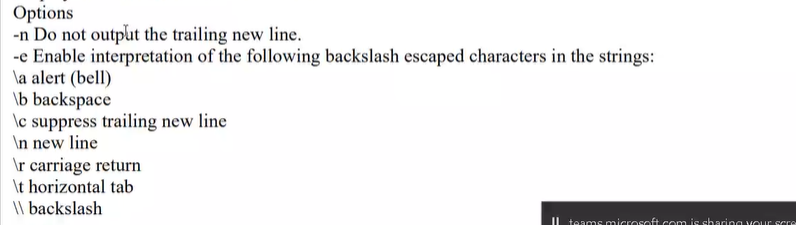
Activity 2:







ECHO:

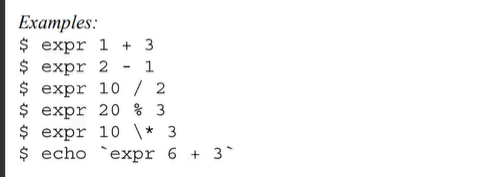


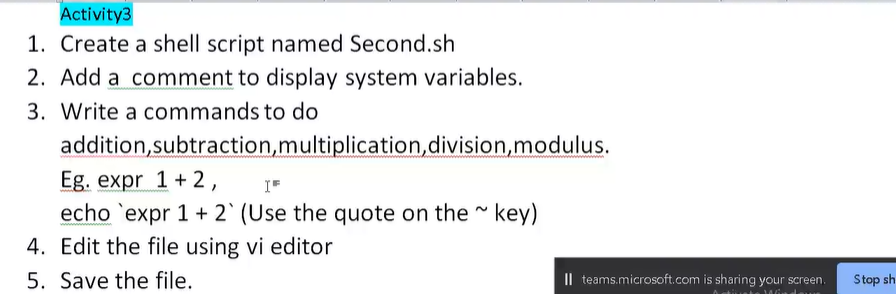


ACTIVITY 3:

IMPLEMENTATION OF ARITHMETIC EXPRESSIONS

(first 5 are working on online editor)

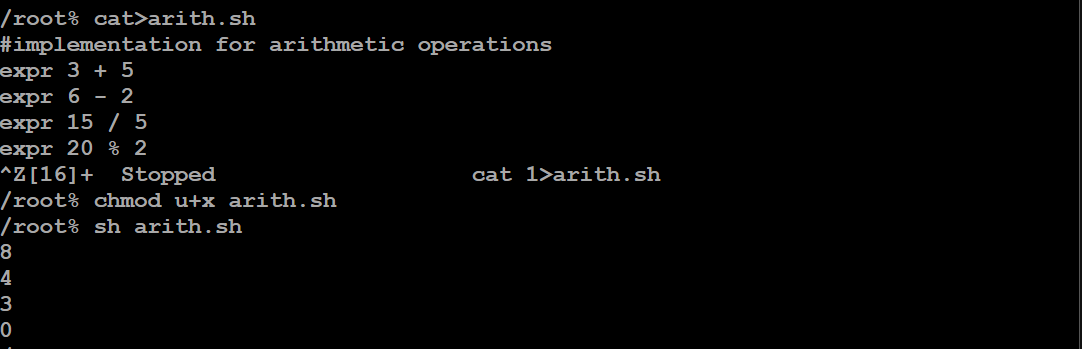




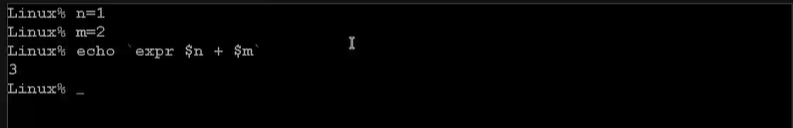
With echo for arithmetic expression:

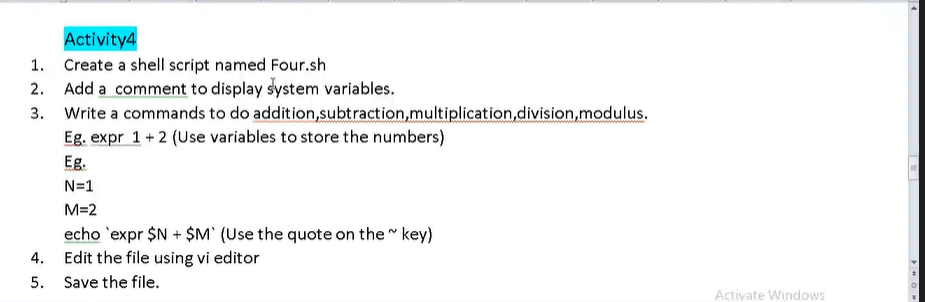
` = ~ wala sign

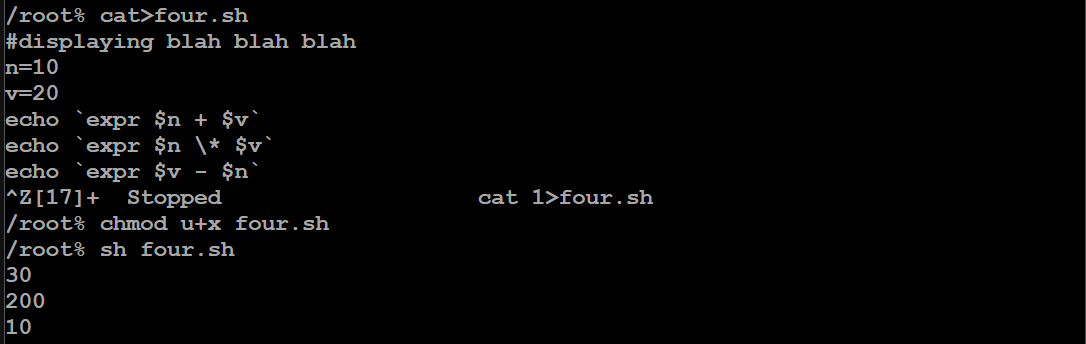


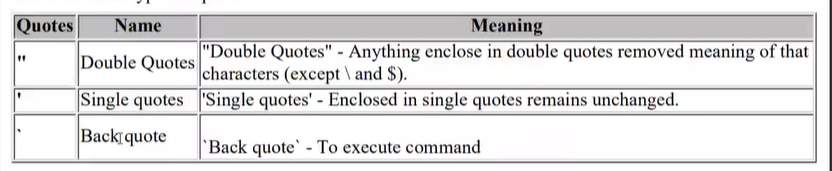


**ARITHMETIC EXPRESSION USING VARIABLES:**

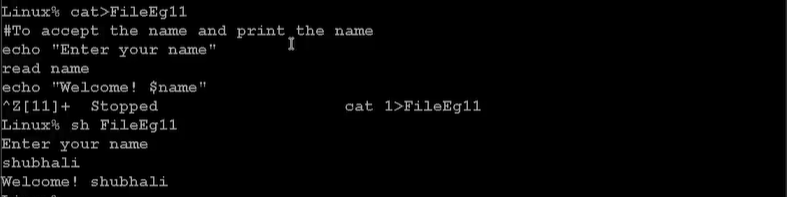
****

****

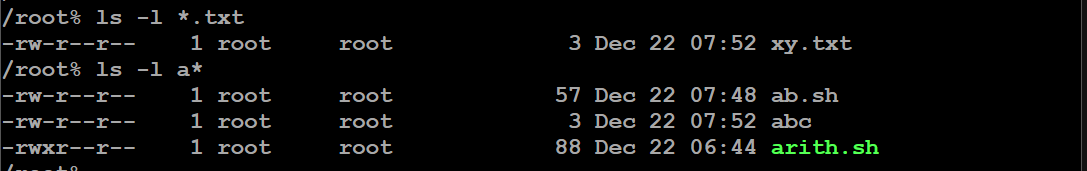
****

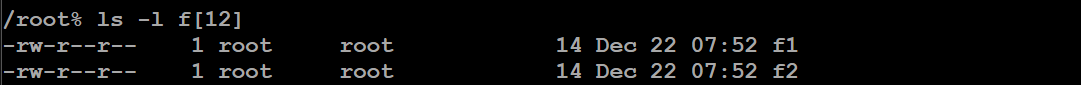
****

**READING INPUT VALUE USING read:**

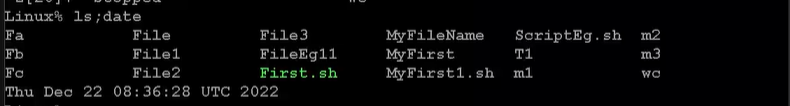
****

**LS WITH DIFFERENT FORMATTING OPTIONS**

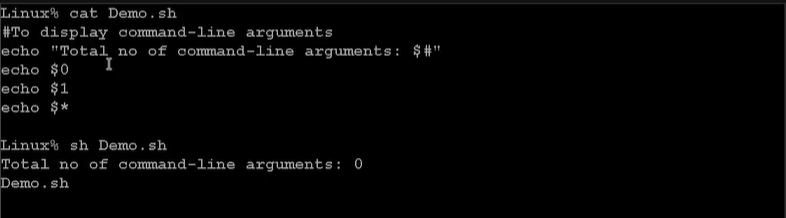
****

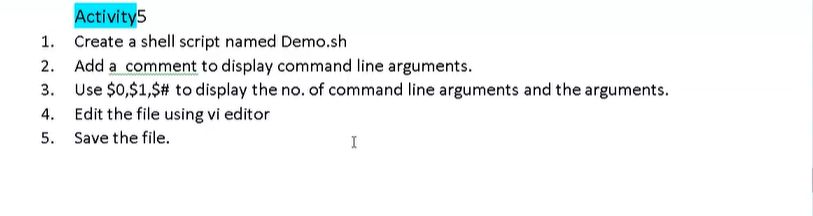
****

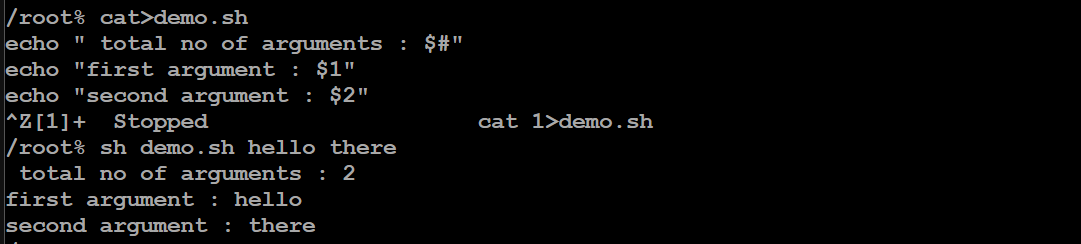
**ONE COMMAND MULTIPLE OPERATION**

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**COMMAND LINE ARGUMENTS:**

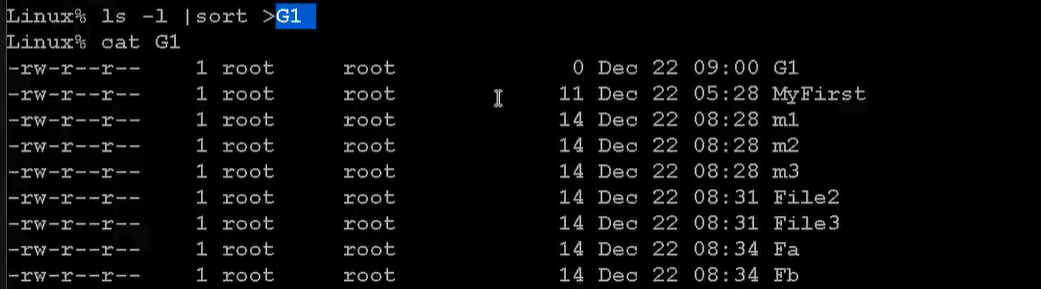
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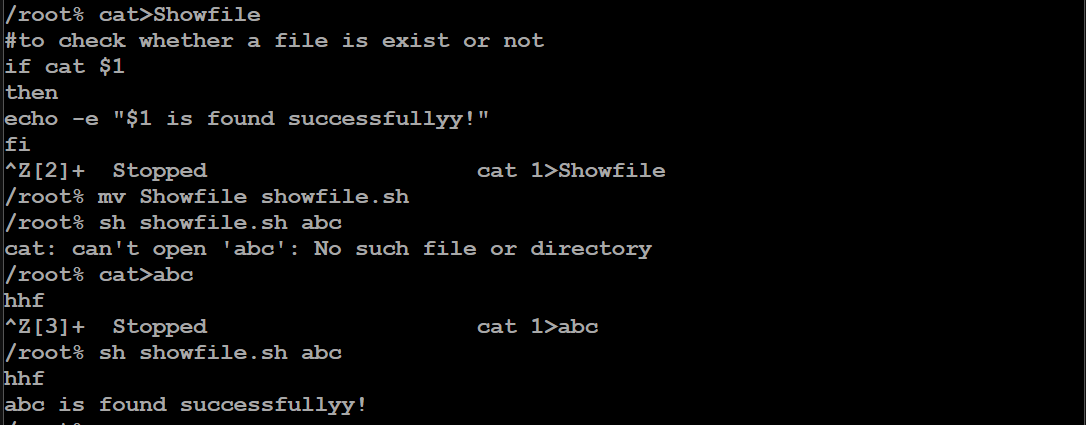
For all argument : $\*

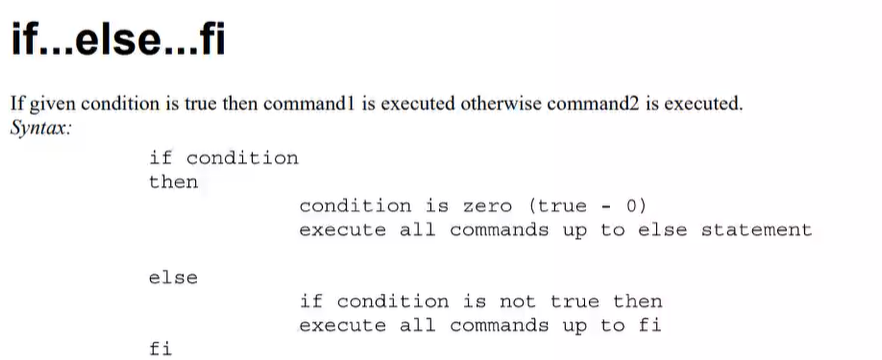
**SORT AND STORE IN ANOTHER FILE**

****

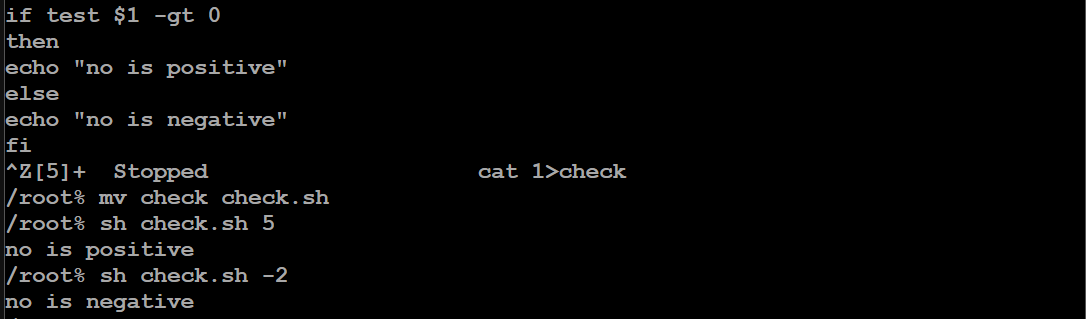
**DECISION MAKING:**

**IF CONDITION TO CHECK WHETHER FILE IS PRESENT OR NOT**

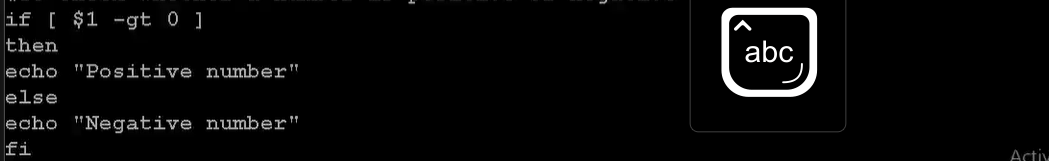
****

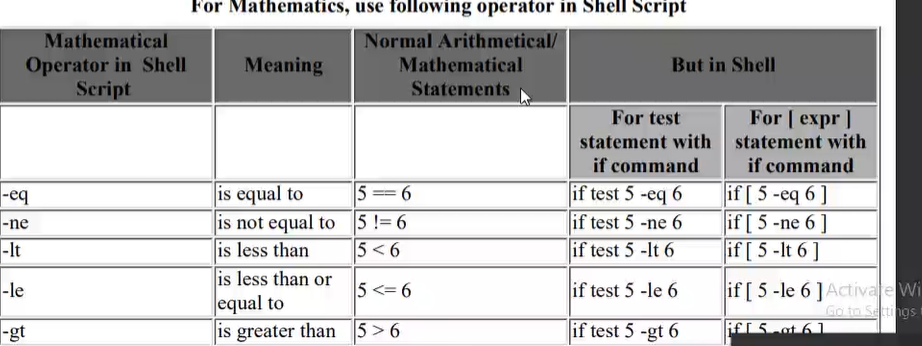
****

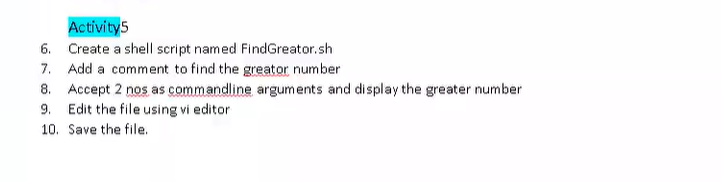
**SCRIPT TO CHECK WHETHER THE NO IS POSITIVE OR NEGATIVE:**

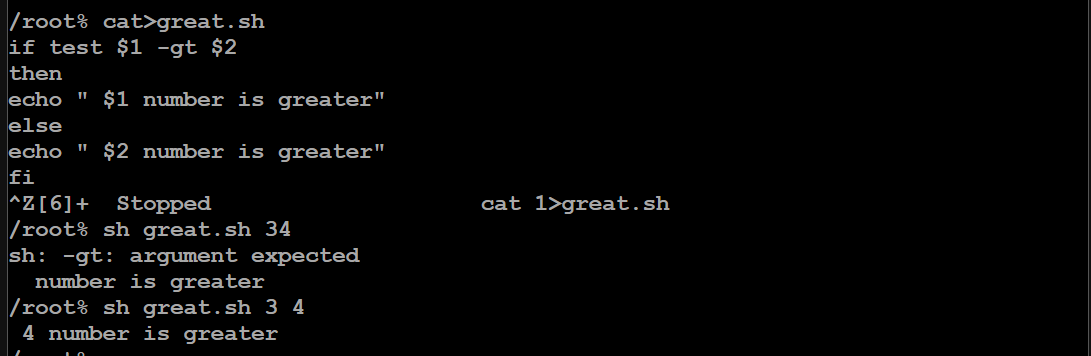
****

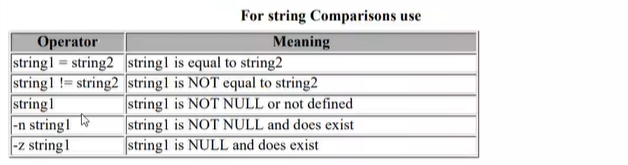
we can write [$1 –gt 0 ] instead of test..

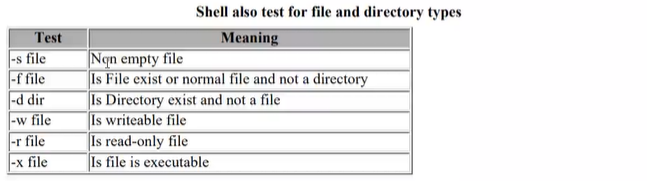
****

****

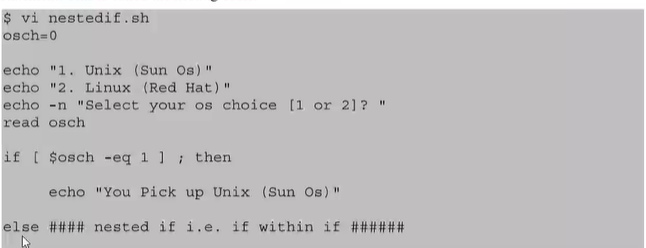
****

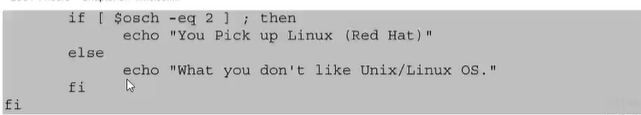
****

****

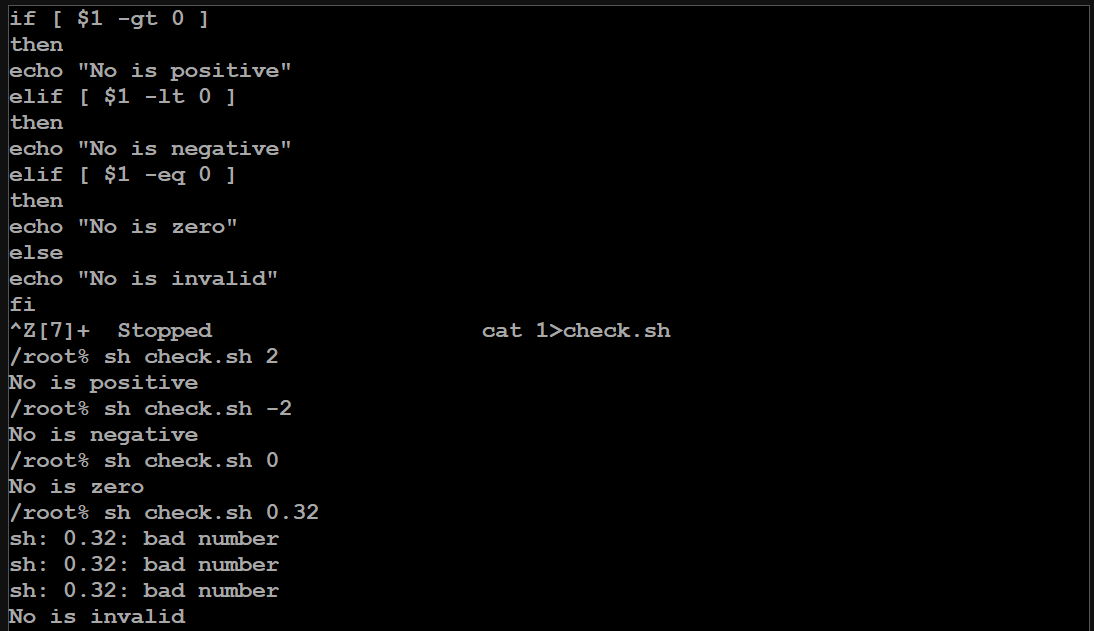
****

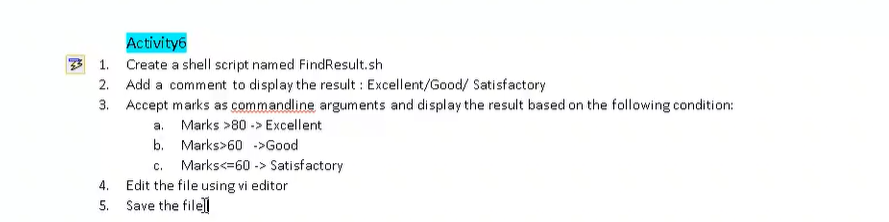
**Multiple if else:**

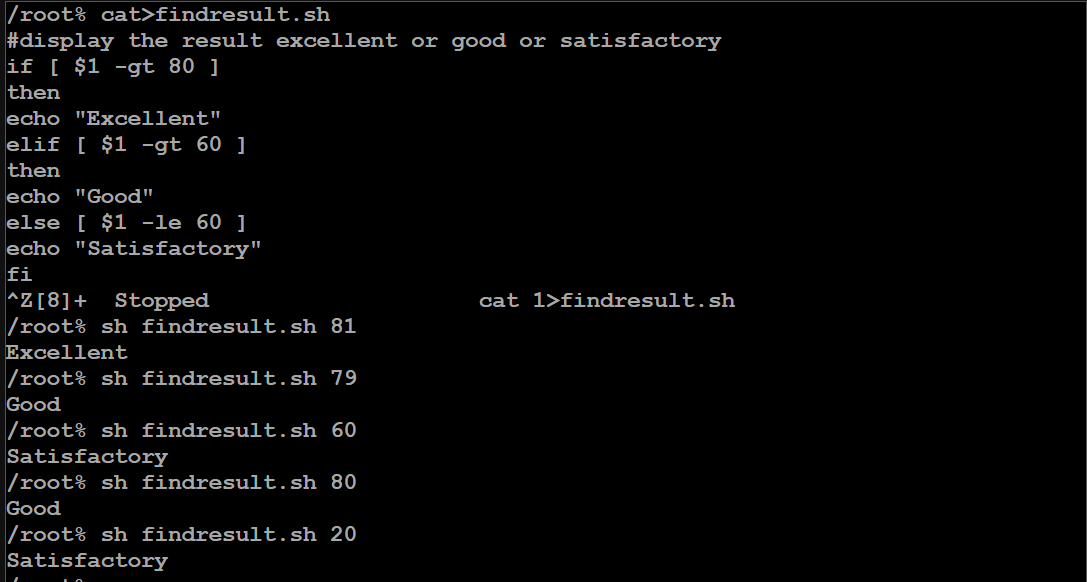
****

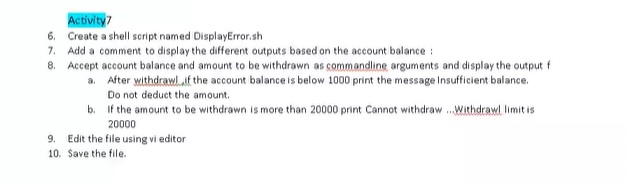
****

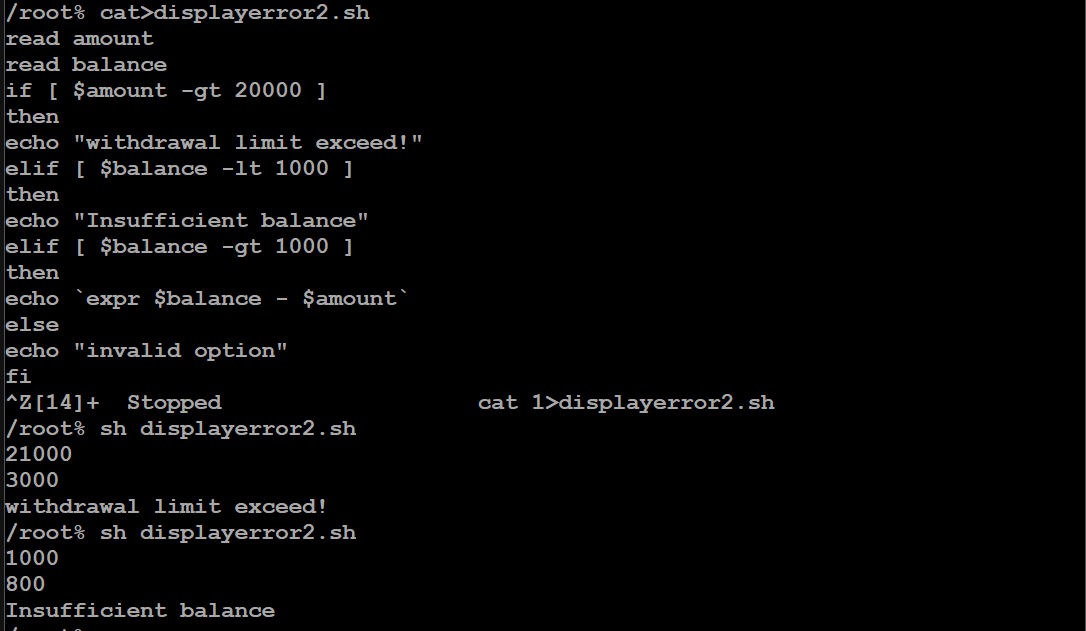
**NESTED IF ELSE CONDITION:**

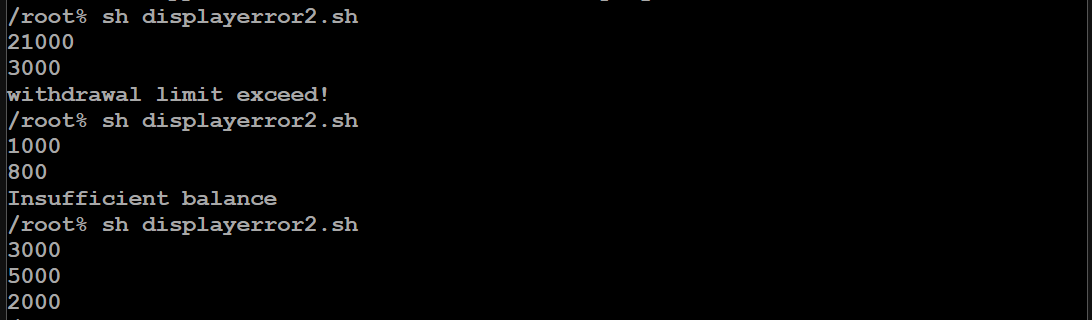
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