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**PRACTICAL ACTIVITY WEEK 5**

1. A shell script to validate password strength when a user enters a password.

* Created a file named it authentic.sh

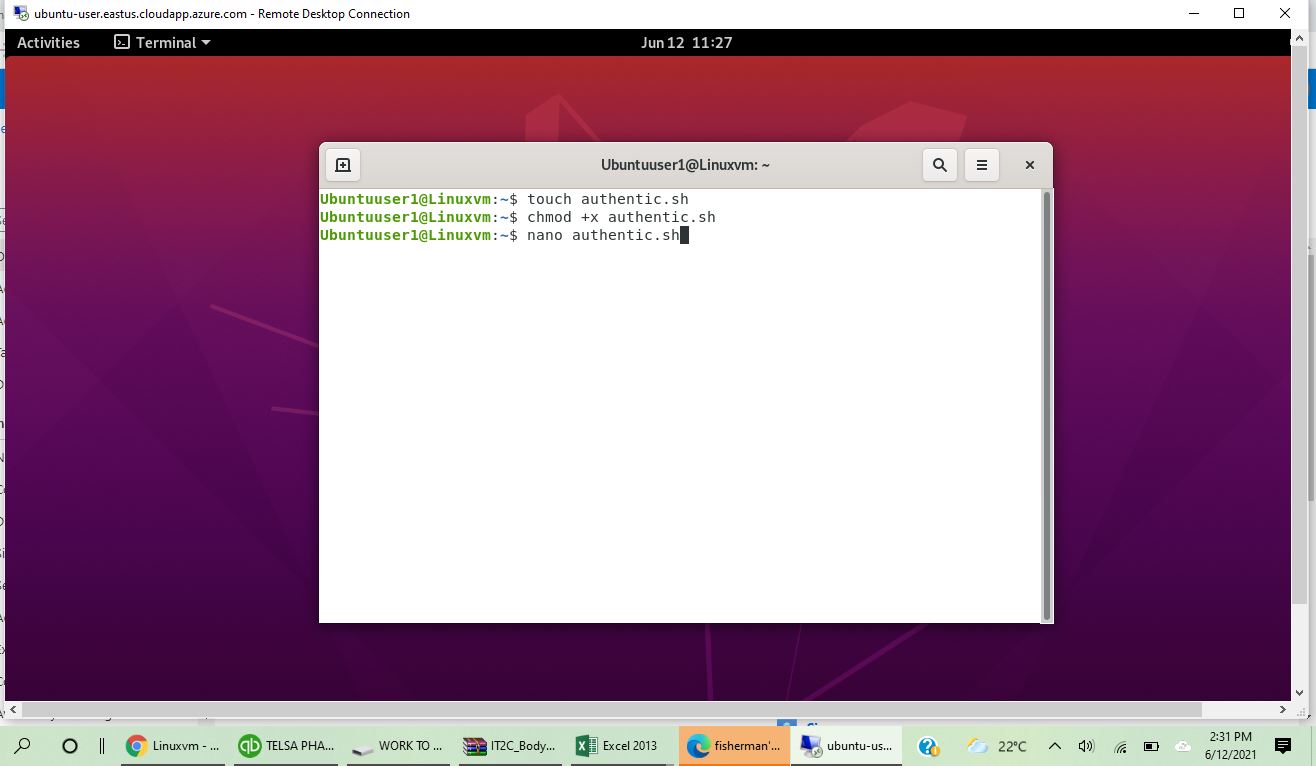
Command: $ touch authentic.sh

* Executed it

Command: $ chmod +x authentic.sh

* Opened nano editor to add my code

Command:$ nano authentic.sh



1. Wrote my code

* Used case statement

Prompted user to input password

Command: $ read

* Patterns to qualify password assumptions

1. Contain upper case

Pattern: [[:upper:]]

1. Lowercase

Pattern: [[:lower:]]

1. Contain digit

Digit pattern: [0-9]

1. Min of 8 characters

Pattern: {8,15}

1. \*)

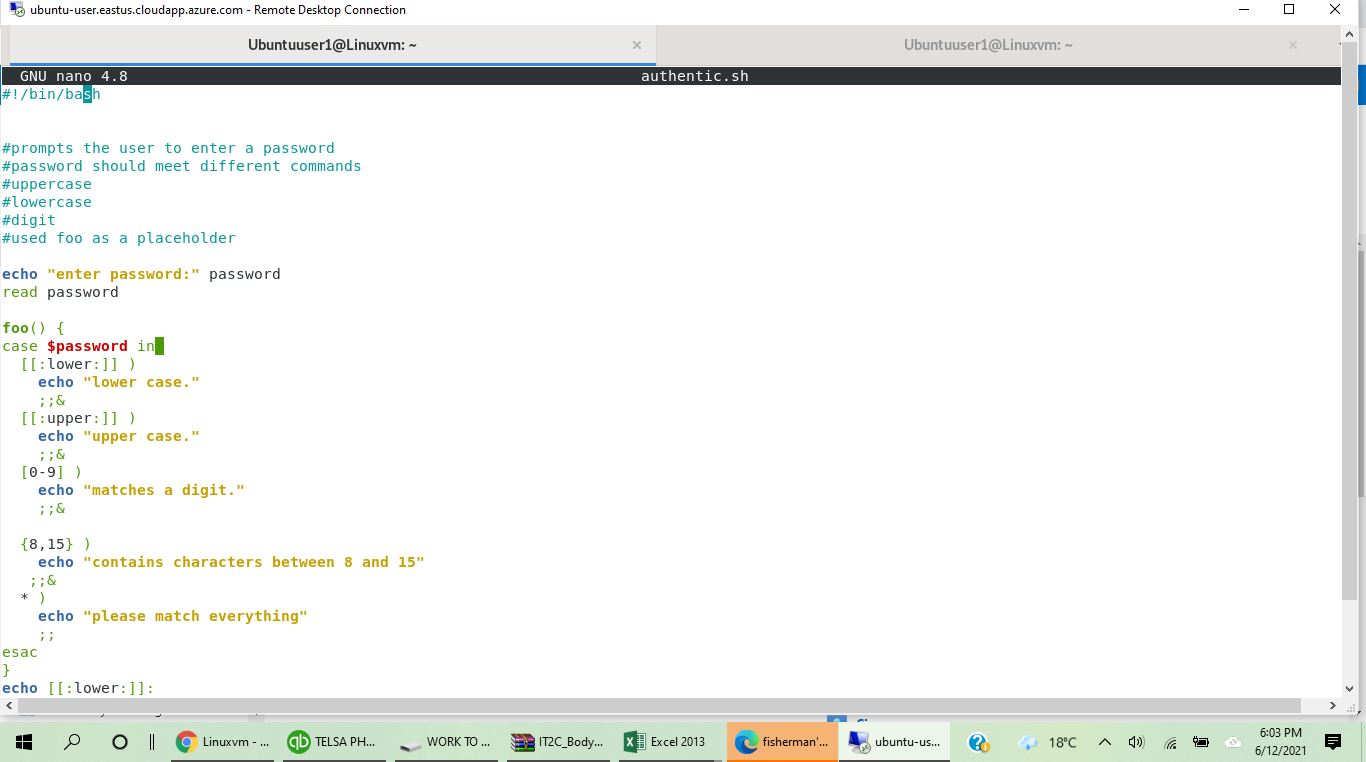
For any other character

1. ;;&

For cascading the pattern instead of terminating after first pattern

1. Foo

Placeholder and cascading the pattern and printing it.



Checks length min 8 and max 15

Prompts user to enter password

Checks lower case

Checks uppercase

Checks digit between 0-9

;;& cascading to fall through the patterns

Comments



Cascading the pattern

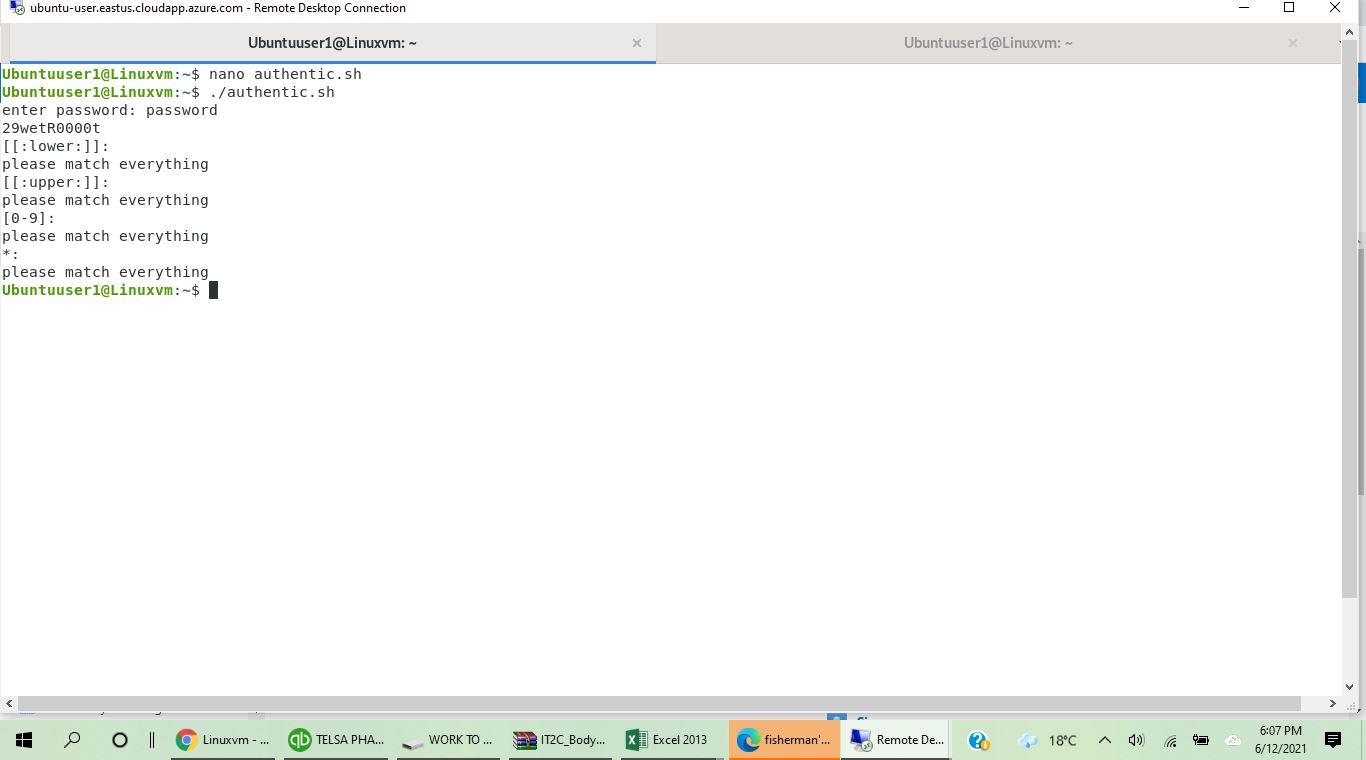
1. Tested my script using different passwords

* First password:

Running script.

29wetROOOOt

Matched but didn’t give expected output



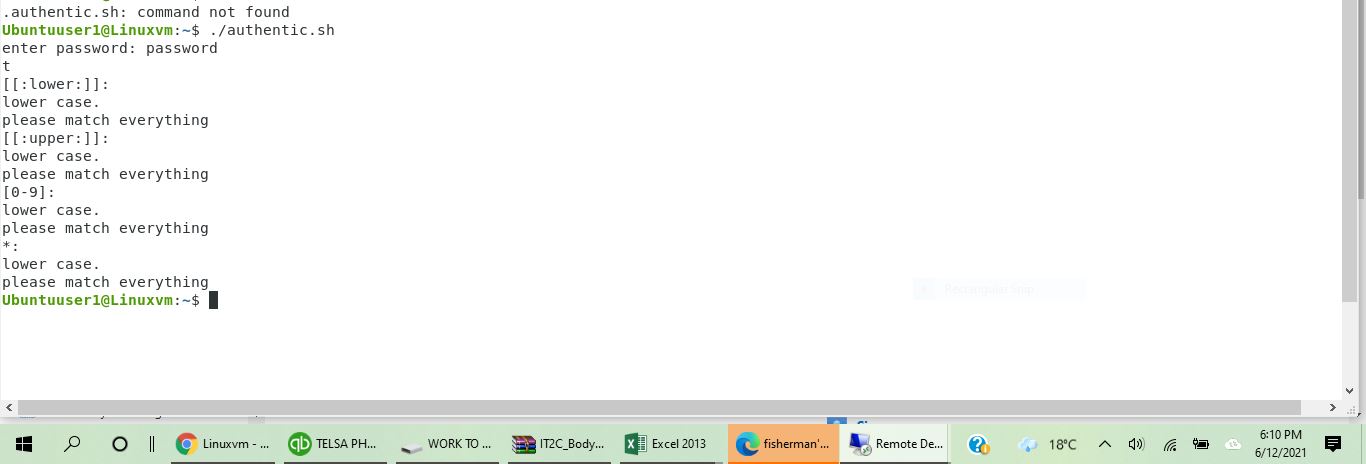
Password 29wetROOOOt

Output was empty though it cascaded didn’t give me the output to show that it matched

1. Tested using another password

Password: t

Output: showed lower case but in every pattern



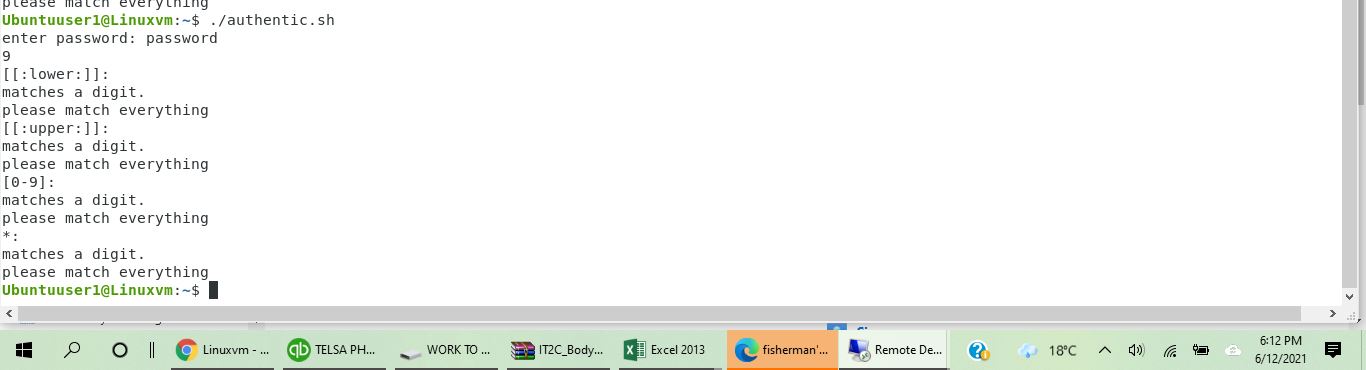
Shows lower case its’s cascading

Output: lower case

Password: t

1. Tested using another password

Password: 9



Shows matches a digit

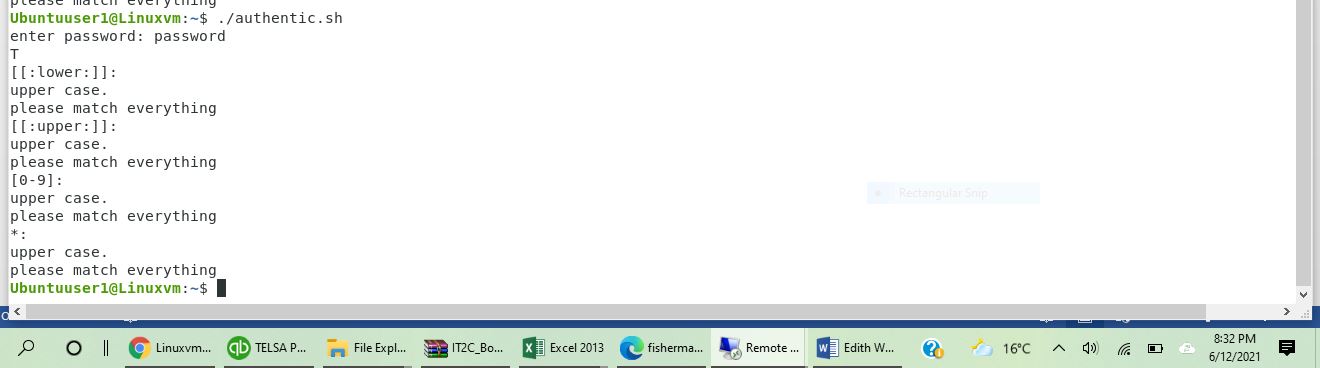
Output: Matches a digit

Password: 9

1. Tested using another password single digit

Password: T

Output shows uppercase only



Cascades and shows input is uppercase

Password: T

1. Tested another password

Password: 9Aahte7n

Output: empty



The password matches every rule but the output is not showing anything

Just showing the patterns cascading.

Password: 9Aahte7n

**Conclusion**

Expected output when password matched all rules was outputting empty. When I input a single number or digit it shows the rule and tells the user to match everything and it also cascaded as I expected. Something is off somewhere but I can’t figure out where.