

# Advanced Bash Shell Scripting

## Lab1: Putting Case Statements into Practice

Write a script that will be given a month number as the argument and will translate this number into a month name. The result will be printed to stdout.

-----

## Lab 2: Script Arguments and Usage Information

Write a script that takes exactly one argument, a directory name. The script should print that argument back to standard output.  
Make sure the script generates a usage message if needed and that it handles errors with a message.

-----

## Lab 3: Randomness

Create a script that takes a word as an argument from the user, then appends a random number to the word and display it to the user. Put in a check to make sure the user passed in a word, displaying a usage statement if a word was not passed as an argument.

-----

## Lab 4: Strings

Write a script that will read two strings from the user. The script will perform three operations on the two strings:

- (1) Use the **test** command to see if one of the strings is of zero length and if the other is of non-zero length, telling the user of both results.
- (2) Determine the length of each string and tell the user which is longer or if they are of equal length.
- (3) Compare the strings to see if they are the same. Let the user know the result.