Scripting Lab 7

Exercise 1

Run and debug the scripts that are given in this archive.

Exercise 2

Write a scripts that first asks the user to enter an integer number.
Afterwards more integers are asked until the sum of those integers
equals or exceeds the first number entered.

Enter the limit: 15
Enter an integer number: 3
Enter an integer number: 4
Enter an integer number: 6
Enter an integer number: 5
The limit of 15 is reached or exceeded!

Exercise 3

Write a script with a function that simulates the rolling of 2 dice. Rolling 2 dice always results in a value between 2 and 12. How many times will every possible value occur if the dice are rolled 400 times?

- first create a function that will simulate the rolling of dice make it possible to give a parameter with how many dice you want to roll. The default is 2 dice (1 dice returns value from 1-6, 2 dice returns a random value between 2-12, ...)
- create an array to keep the occurrences forevery possible value
- call the rolling function 400 times for 2 dices and store how many times each value occured
- print how many times each value occured.
- print a horizontal bar chart with the occurrences. Use the symbol “#” to draw the bars.

Bonus: Try 2 different algoritms for the rolling function and compare them:

1) generate random value between 1-6, 2-12, 3-18, …
2) always generate value between 1-6 but do this 1,2,3,… times for each dice and add them up.

Exercise 4

Write a script that ask the user which file it should parse as data input. An example is provided in the zip: data.csv. If the file doesn't exist or can't be parsed the script will catch the errors and write an appropriate message instead of showing the red powershell error messages. After parsing the data script will add a folder as stated in the folder column for each row in the file in the current directory. It will also write to a logfile if it could/couldn't create the directory together the first, lastname and folder