

Exercise 2 (8 points)

2.1 Write a script bash which finds and removes duplicated files in the same directory. As the duplicated files are in the current directory, they do not have the same name but the same content.

2.2 Write a script that takes two operands and an operator (+, -, x, /, //, pow, mod) as argument or by prompting the user when no argument is provided and displays the result of the desired operation in the terminal.

2.3 Write a script that takes as input an alpha-numerical chain from user (e.g., 123abc456) and transforms lower case letters in the chain into upper case letters.

2.4 Write a script that takes as input a decimal number and converted into binary, octal and hexadecimal.

2.5 Write a bash script that displays the number of characters in each line of a file passed as an argument and displays an error if no argument is provided.

2.6 Write a bash script that takes a word as an argument, and check if this word exists in English. The English dictionary is in: /usr/share/dict/american-english

2.7 Give 5 different ways (and not different syntax) to write a loop in bash.