

1. Write a bash script to accept a positive integer as input.  
Perform  
    sanity check on the input. If the input is valid, the script  
should  
    print all the digits in English (e.g., for input '123', output is  
'one  
    two three').
2. Write a bash script to calculate words of all files rooted under  
a  
    directory tree and print the file name only if number of words in  
the file is  
    a prime number.
3. In the example, presented in class, the leap year logic is  
flawed. Modify the  
    code to implement the correct logic.
4. A simple regular expression used in the examples to match a valid  
date in dd-mm-yyyy  
    format does not filter out all invalid dates. Improve the regular  
expression to  
    make it more tight (preferably match only valid dates).