Using the Linux command line tools, answer the following questions:

Answer the following for EACH Nano, VI, EMACS:

What key command saves a file?

Nano: control + O

VI: esc + w

EMACS: control + x, control + c, Y  
  
 What key command exits the program?

Nano: control + x

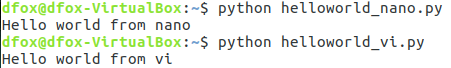
VI: esc + q

EMACS: control + x, control + c

Write the following python code in each editor (with the appropriate name) and execute using the python3 command. Save each file as helloworld\_editorname.py:

print("Hello world from VI/EMACS/Nano")

Post a screenshot of each script executing.





Do some research into the sed and awk commands. Write a 5+ sentence description of each:

Sed is a command used in the linux terminal. Sed is short for stream editor and it allows users to filter or transform text. A stream editor is used for performing simple text changes on a text file. Sed works by only looking over the input once, which allows it to be consistently more efficient. It allows users to compare text files and make changes quickly.

The awk command is used in the linux terminal. Awk is used to process and analyze text files that are usually organized by rows and columns. Awk allows for a user to specify a certain pattern, and the command will look for that pattern in the text. If the pattern is found, then an action is applied and wrote to the output file. Awk allows for quick and powerful transformation of text files.

Describe in your own words what a regular expression is.

A regular expression is a special text string used a shortcut to perform a search

Complete the 14 exercises located at regexone.com. Post screenshots of a matching regex for exercises 5, 7, and 14.

