Assignment No. 2

Introduction —

    The VI editor is a screen-based editor used by many Unix users. The VI editor has powerful features to aid programmers, but many beginning users avoid using VI because the different features overwhelm them, but also contains sections relevant to regural users of VI as well.

    The VI editor lets a user create new files or edit existing files, the command to start the VI editor is 'vi', followed by the filename. The first thing most user learn about the VI editor is that it has two modes i) Command and ii) Insert. The command mode allows to manipulate text which can be done with few keystrokes. The insert mode puts anything typed on keyboard into the file.

    VI starts out in command mode and to put VI editor into Insert mode you need to type command which are 'a' and 'i'. Once you get in insert mode, you can get out of it by hitting escape key.

Multi Choice Questions on VI editor.

i. In vi editor, the key combination CTRL + f

a) moves screen down one page
b) moves screen up one page
c) moves screen up one line
d) moves screen down one line

→ a.

ii Which command is used to close the vi editor?

a) q
b) wq
c) both q and wq
d) none of the mentioned

→ c

iii Which command sets number for all lines?

a) : set li
b) : set ln
c) : set nu
d : set nl

→ c

iv | for navigation mode should be _____ mode

    a) command
    b) input
    c) insert
    d) ex

→ a

v | which keys are used to move cursor up and down?

    a) K
    b) h
    c) l
    d) k and j

→ d

vi | which of the command is invalid

    a) 20h
    b) 5l
    c) 4k
    d) 3d

→ d

vii What does the following command do?

$ vi File001

a) open file named file001

b) edit file named file001

c) delete file named file001

d) open file if it exists else create new file

→ d.

viii To open a file in read only mode, this ___ command optⁿ used.

a) -r

b) -R

c) -d

b) -f

→ b

ix On a Unix system, there can be ___ shells running simultaneously

α) 1

b) 2

c) many

d) 4

→ c

× Which command is used to redo the changes made by undo command.

    a) ctrl-l

    b) ctrl-r

    c) ctrl-g

    d) ctrl-f

→ b.

* Shell - Introduction:

    The shell is an interactive interface that allows users to execute other commands and abilities in Linux and other Unix-based operating systems. When you log in to the system, the standard shell is displayed and allows you to perform common operations such as copy files or restart the system.

    It is named shell because it's outermost layer around the operating system. Command-line shells require the user to be familier with commands and their meaning and calling syntax. also to understand the concept about the shell-scripting language., for example bash.

```python
import random

highest = 10
answer = random.randint(1, highest)
print("Enter a number between 1 to {}".format(highest))

guess = 0
while guess != answer:
    guess = int(input())
    if guess < answer:
        print("Please guess higher")
    elif guess > answer:
        print("Please guess lower")
    else:
        print("Well done, yu guessed the nuber right")
```

```
blackhat@kali:~/Bhavin/Python/Programs$ python whileLoopChallange.py
Enter a number between 1 to 10
5
Please guess higher
9
Well done, yu guessed the nuber right
blackhat@kali:~/Bhavin/Python/Programs$ █
```