

Project #3 30/50

CIS 204 - Locke - Tue 6pm-8:50pm

1. Project Requirements Procedure

2. Project Description

a. Regular Expressions (30 points):

- i. For the following requirements, use the US Constitution file with the Project Gutenberg text removed!
- ii. For the following uses of `grep`, using a single `grep` command (do not use a pipeline)!
- iii. R03_001: Write a regular expression search using `grep` to find only lines that include the word 'enumeration' in the US Constitution.
- iv. R03_002: Write a regular expression search using `grep` to find only lines that start with the word 'To' in the US Constitution.
- v. R03_003: Write a regular expression of less than 4 characters and search using `grep` to find only lines that include the words: 'choose', 'Troops', 'good', or "Blood", or 'Broom' in the US Constitution.
- vi. R03_004: Write a regular expression search using `grep` to find only lines where the sentence ends with 'America' in the US Constitution.
- vii. R03_005: Write a regular expression search using `grep` to find only lines with the words: 'person', 'Person', 'Treason', or 'treason' in the US Constitution.
- viii. R03_006: Write a regular expression search using `grep` to find only lines that contain 4 commas.
- ix. R03_007: Write a regular expression search using `grep` to find only lines that start with 'O' or 'o' AND contain 2 consecutive 'c' chracters.

b. vim and grep (20 points):

- i. Use vim to change all lines that begin with the letter 'B' so that they instead begin with the character '-'.
- ii. Without closing vim, change all lines that begin with the letter 'b' so that they instead begin with the letter 'B'.
- iii. R03_008: Save the file created above to a new file. Now write a command line and use `grep` to list only lines that begin with the letter 'B' and end with the a comma (character ',') for your putty_log.txt.

Comments:

```
----- PuTTY log 2016.09.21 18:11:15 -----
Using username "npawarve".
npawarve@ats-cis.jccc.edu's password:
No mail.
Last login: Wed Sep 21 18:09:50 2016 from rc38009.student.directory.jccc

[npawarve@ats-cis ~]$ bin/req 3 1

-----
Wed Sep 21 18:11:33 CDT 2016
/home/students/npawarve
R03_001_790047
-----

[npawarve@ats-cis ~]$ grep 'enumeration' constitution.txt
and until such enumeration shall be made, the State of New Hampshire
```

```
[npawarve@ats-cis ~]$ /bin/bin/req 3 2
```

```
-----  
Wed Sep 21 18:11:58 CDT 2016  
/home/students/npawarve  
R03_002_790047  
-----
```

```
[npawarve@ats-cis ~]$ grep '^To' constitution.txt  
To borrow Money on the credit of the United States;  
To regulate Commerce with foreign Nations, and among the several States,  
To establish an uniform Rule of Naturalization, and uniform Laws  
To coin Money, regulate the Value thereof, and of foreign Coin,  
To provide for the Punishment of counterfeiting the Securities  
To establish Post Offices and Post Roads;  
To promote the Progress of Science and useful Arts, by securing  
To constitute Tribunals inferior to the supreme Court;  
To define and punish Piracies and Felonies committed on the high Seas,  
To declare War, grant Letters of Marque and Reprisal,  
To raise and support Armies, but no Appropriation of Money to that Use  
To provide and maintain a Navy;  
To make Rules for the Government and Regulation of the land and naval Forces;  
To provide for calling forth the Militia to execute the Laws of the Union,  
To provide for organizing, arming, and disciplining, the Militia, and for  
To exercise exclusive Legislation in all Cases whatsoever,  
To make all Laws which shall be necessary and proper for carrying  
Tonnage, keep Troops, or Ships of War in time of Peace, enter into any  
[npawarve@ats-cis ~]$ bin/bin/req 3 3
```

```
-----  
Wed Sep 21 18:12:44 CDT 2016  
/home/students/npawarve  
R03_003_790047  
-----
```

```
[npawarve@ats-cis ~]$ grep '.oo.' constitution.txt  
The Senate shall choose their other Officers, and also a President  
Tonnage, keep Troops, or Ships of War in time of Peace, enter into any  
and inferior Courts, shall hold their Offices during good behavior,  
but no Attainder of Treason shall work Corruption of Blood,  
Jaco: Broom  
[npawarve@ats-cis ~]$ bin/bin/req 3 4
```

```
-----  
Wed Sep 21 18:20:11 CDT 2016  
/home/students/npawarve  
R03_004_790047  
-----
```

```
[npawarve@ats-cis ~]$ grep 'America\.' constitution.txt  
United States of America.  
of the United States of America. He shall hold his Office during  
[npawarve@ats-cis ~]$ bin/bin/req 3 5
```

```
-----  
Wed Sep 21 18:20:16 CDT 2016  
/home/students/npawarve  
R03_005_790047  
-----
```

```
[npawarve@ats-cis ~]$ grep '\<[PpTt].\{2,3\}son\>' constitution.txt  
No Person shall be a Representative who shall not have attained to the  
No person shall be a Senator who shall not have attained to the Age of  
shall preside: And no Person shall be convicted without the Concurrence  
of the United States. They shall in all Cases, except Treason, Felony and  
increased during such time; and no Person holding any Office under the
```

```
not exceeding ten dollars for each Person.
and no Person holding any Office of Profit or Trust under them, shall,
Representative, or Person holding an Office of Trust or Profit under
The Person having the greatest Number of Votes shall be the President,
chuse by Ballot one of them for President; and if no Person have
of the President, the Person having the greatest Number of Votes of
No Person except a natural born Citizen, or a Citizen of the United States,
the Office of President; neither shall any Person be eligible to that
and Conviction of, Treason, Bribery, or other high Crimes and Misdemeanors.
Section 3. Treason against the United States, shall consist only in
Aid and Comfort. No Person shall be convicted of Treason unless on
The Congress shall have power to declare the punishment of Treason,
But no Attainder of Treason shall work Corruption of Blood,
or Forfeiture except during the Life of the Person attainted.
A Person changed in any State with Treason, Felony, or other Crime,
No person held to Service or Labor in one State, under the Laws thereof,
[npawarve@ats-cis ~]$ bin/req 3 6
```

```
-----
Wed Sep 21 18:22:05 CDT 2016
/home/students/npawarve
R03_006_790047
-----
```

```
[npawarve@ats-cis ~]$ grep '.*,.*,.*,.*' constitution.txt
New Jersey four, Pennsylvania eight, Delaware one, Maryland six,
To provide for organizing, arming, and disciplining, the Militia, and for
for the Erection of Forts, Magazines, Arsenals, Dockyards,
or from, one State, be obliged to enter, clear, or pay Duties in another.
Office, or Title, of any kind whatever, from any King, Prince,
and shall, at stated Times, receive for their Services, a Compensation,
[npawarve@ats-cis ~]$
bin/req 3 67
```

```
-----
Wed Sep 21 18:41:11 CDT 2016
/home/students/npawarve
R03_007_790047
-----
```

```
[npawarve@ats-cis ~]$ grep '^[o].*c\{2\}' constitution.txt
of the Officers, and the Authority of training the militia according
of Appropriations made by Law; and a regular Statement and Account
Officer shall then act as President, and such Officer shall act accordingly,
[npawarve@ats-cis ~]$ vim constitution.txt
[npawarve@ats-cis ~]$ bin/req 3 8
```

```
-----
Wed Sep 21 18:46:47 CDT 2016
/home/students/npawarve
R03_008_790047
-----
```

```
[npawarve@ats-cis ~]$ [npawarve@ats-cis ~]$ grep '^B.*,$' constitution3_8.txt
[npawarve@ats-cis ~]$
[npawarve@ats-cis ~]$ exit
logout
```

Commented [C1]: -20: I don't see any attempt at this one?