COMS 6100 - Homework 9/Quiz - Regex

September 30, 2020

It will help to use color highlighting as you answer these questions. Place the your grep command and the top 10 lines of output in the verbatim blocks within the latex file. Turn the latex into pdf, and upload it to dropbox (hw9).

Write a regular expressionsthat do the following:

1. Finds all the strings with the word 'Dash' in them.

```
grep Dash 161.txt
```

```
almost ashamed of having authorised; and even the Dashwoods were at the
best terms imaginable with the Dashwoods; and setting aside the
her.  Mrs. Dashwood was acting on motives of policy as well as pleasure
Marianne Dashwood was born to an extraordinary fate.  She was born to
Mrs. Dashwood was prudent enough to remain at the cottage, without
```

2. Find all the strings that begin with the letter D, followed by a lower case letter.

```
grep D.[a-z]  161.txt
```

```
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3. All the strings that start at the beginning of the line and end with the letter n. Spaces and punctuation can be included in these strings.

```
grep ^.*n$ 161.txt

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4. Shows all the lines that do not contain a capital A.

```
grep -v A 161.txt

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5. All the strings that start with a space, only have letters in them, and end with a comma.

```
grep ^[[:space:]].*[a-zA-Z]*[,]$ 161.txt
```

```
        another's.  Sincerely wish you happy in your choice,
        proper.  I can safely say I owe you no ill-will,
        place your dear brother has great curiosity to see,
        few lines, and shall always remain,
        "Your sincere well-wisher, friend, and sister,
```

This is equivalent to the words just before a comma - including the comma.

6. Find all the lines that start with a capital letter and end with a period.

```
grep ^[A-Z].*[.]$ 161.txt
```

```
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```

7. All the strings that start with the letters "Al" and end with some other letters (not punctuation.)

```
grep Al[a-z]* 161.txt
```

```
it were more valuable.  Allow me to congratulate you on having so
no smiles.  All within Elinor's breast was satisfaction, silent and
impossible to be calm.  All that remained to be done was to be speedy;
Allenham, satisfied with myself, delighted with every body!  But in
was impossible.  All that I had to do, was to avoid you both.  I sent
```

8. Find all the words that start with "S" and end with "e". (Hint: $\backslash s$ is the symbol for any space character. Use the $\backslash w$ character for any letter that is upper or lower case.)

```
grep '\bS\w*e\b' 161.txt
```

```
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```

9. Find all the lines who's third letter is a an 'l' and who's 8th character is a 'g'.

```
grep "^.[a-zA-Z]l[a-zA-Z][a-zA-Z][a-zA-Z][a-zA-Z]g" 161.txt
```

```
 relating some circumstances which nothing but a VERY sincere
```

10. Find all the lines that have 3 (or more) comma separated strings.

```
grep .*,.*,.*, 161.txt
```

```
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