Homework0

Due Date: 4th Feb, 11:59 PM

Name:
Student ID:
Submission Instructions: This PDF contains fields where you can type in your answers. Please save your work regularly so you don't lose any of your answers. In the answer box, you need to write the shell script that will answers the questions below. For all the questions, write the appropriate command.
Example: Print the second column of a given file example.txt.
awk '{ print \$2 }' example.txt
 Useful Links: awk, sed - https://emb.carnegiescience.edu/sites/default/files/140602-sedawkbash.key.pdf shell: http://swcarpentry.github.io/shell-novice/
After you complete the assignment, upload a copy to Gradescope. A link to Gradescope can be found on the left side of the course Canvas page. 1. To access the data, you need to clone the data from the given github repository link:
https://github.com/oudalab/russian-troll-tweets/blob/master/IRAhandle_tweets_1.csv. Write the command
to access the file.
2. How many records, including header are there in the file retrieved? Provide the command and output.
3. What command extracts the column of the author names from the file?

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4. H	How many tweets in the file are by author 10_GOP? Provide the command and output.			
.	Maite and the colourest the consequence of the colourest the transfer to the colourest the colourest the colourest the colourest three coloure			
5. V	Vrite command to calculate the percentage of tweets that are by the author 10_GOP? Note: use a one-line awk command, do not do the division from the previous questions except to check your answer.			
6. H	ow many tweets were published in the year 2017? Provide the command and the output.			
	ow many tweets were published between the months of March and September of 2017? Provide the pand and output.			
. Но	ow many tweets were retweets or quotes rather than original tweets?Provide the command and the outpu			
. Wha utput.	at was the change in number of followers for author 10_GOP from Jan to Dec 2016? Provide command a			

11. Which	of the following commands will print the path of the file myfile.txt:
•	find 'myfile*'
	find "\$(pwd)" -name 'myfile*'
	find "\$pwd" -name 'myfile*'
a)	findpath 'myfile*'
12 Which	of the following commands will print the square of numbers in range 7- 11 inclusi
	awk 'BEGIN { for x in range(7, 12) print x*x; }'
	awk 'BEGIN { for $(x = 7; x < 12; x++)$ print $x*x;$ }'
	awk 'BEGIN { for x in [7:12] print x*x; }'
·	none of the above
<u>u)</u>	Tione of the above
13. In a file	e abstract.txt, which of the following command will print all lines with more than 18
charac	ters:
	awk 'length(\$0) > 180' abstract.txt
	awk 'length(0) > 180'
	awk 'length() > 180' abstract.txt
d)	None of the above
1/ \//biob	of the following commands is used to shook if the is greater than E or not:
a) -g [†]	of the following commands is used to check if \$a is greater than 5 or not:
b) -ge	
c) -1t	
,	ne of the above
,	