
EEP773

Telecom Software Lab

Bharti school of Telecommunication Technology and Management

Assignment 9

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1 PROBLEM STATEMENT

The object of the experiment is to teach us the following things about shell script-

1. to design a system using python as a programming language.
2. to make repositories on Github and work on them.

We have to perform the following task:-

1. to analyze a data file on the basis of different emoticons and words that reflect emotions.
2. A dictionary is also given to predict the meaning of emoticons and some specific words.
3. Depending on this dictionary, we have to count the number of emoticons and words that are there in the dictionary output percentage of different behaviors that are found in the dictionary.

2 LOGIC USED :

1. First we have to read the "contents" file and then split different lines
2. store the emoticons in each line in a list
3. Create a hash table to store different emoticons and its meaning
4. count the number of different emoticons and display their count
5. run a for loop to count the total and displaying frequency of each emoticon

3 output snapshot

```
Administrator-G41MT-S2P:~/Desktop/new/Assignment9$  
harti@administrator-G41MT-S2P:~/Desktop/new/Assignment9$ ./code.py  
{:  
:0'  
:}  
:}  
:}', ':P'  
:}', ':}'  
}  
:0'  
:0'  
:}'  
:0'  
:  
:p', ':p'  
}  
:0'  
}  
  
number of time Happy emotions occur is : 8  
number of time Sad emotions occur is: 0  
number of time Sarcastic emotions occur is: 1  
number of time Surprised emotions occurs: 2  
number of time Crook emotions occurs: 0  
number of time Neutral emotions occur is: 1  
number of time Angry emotions occurs: 2  
total emotions is: 14  
Happy_% : 57  
Sad_% : 0  
Sarcastic_% : 7  
Surprised_% : 14  
Crook_% : 0  
Neutral_% : 7  
Angry_% : 14  
harti@administrator-G41MT-S2P:~/Desktop/new/Assignment9$
```

Figure 1: output

4 REFERENCE :

1. <https://developers.google.com/edu/python/regular-expressions>
2. <http://www.tutorialspoint.com/python/python.files.io.html>