**24 Nov 2021**

**Deccan Education Society’s**

**Fergusson College (Autonomous), Pune**

**Department of Computer Science**

**M.Sc. Data Science – Sem I**

**CSD4103 - Data Structures**

**CE 1 - Home Assignment - 10 Marks**

Write a program that reads multiline text input and performs following operations

1. prints only the words with more than 20 characters
2. Write a function ***has\_no\_e*** that returns True if given word doesn’t have letter ‘e’ in it.
3. Compute the percentage of the words in the list have no ‘e’
4. Write a function ***avoids*** that takes a word and string of forbidden letters and returns True if the word doesn’t use any of the forbidden letters.
5. Prompt user to enter a string of forbidden letters and then print number of words that don’t contain any of them.
6. Write a function uses\_all that takes a word and a string of required letters and that returns True if the word uses all the required letters at least once.
7. Print list of all the words that uses all the vowels