

L<sup>A</sup>T<sub>E</sub>X submissions are mandatory. Submitting your assignment in another format will be graded no higher than R. Convenient table for the TIPA package used to processing IPA symbols can be found [here](#). Detailed TIPA manual can be found [here](#).

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## 1 Lab Book A1.

In this focus on differences between phonemes and orthographic letters.

### 1.1 Assignment 1

**[pts]** [2]: *Same sound*: Come up with a set of 4 English CVC words with the same vowel, where C = consonant, V = vowel. CVCC, CCVC and CCVCC words are also allowed. For example, “hoot”, “grew”, “moon”, “suit” all have the same vowel /u/. Name the vowel in IPA.

#### Answer

Four words with the same vowel: **near open/low front unrounded vowel /æ/**

1. cat
2. pad
3. sad
4. mat

### 1.2 Assignment 2

**[pts]** [4]: *Counting sounds*: Give three examples of the English words where there are more sounds than letters and three examples of the English words where there are less sounds than letters. E.g., in word “axis” there are 5 sounds, and in the word “knock” there 3 sounds. Do not use the same examples of the letter-sound combinations, think of different ones (e.g., do not provide three words with letter ‘x’ that makes the two sounds /ks/).

#### Answer

Three words where there are more sounds than letters:

1. xylem
2. languages
3. WC
4. FBI

Three words where there are less sounds than letters:

1. honour
2. sigh
3. asthma

### 1.3 Assignment 3

**[pts]** */4/*: *Be creative*: A famous example of irregularities in English spelling and pronunciation is word “ghoti”, first mention of which dates back to 1855 (in the correspondence between Charles Ollier and Leigh Hunt).

The word is intended to be pronounced in the same way as “fish” (/fɪʃ/) using these sounds:

- gh, pronounced as /f/ as in enough /ɪˈnʌf/
- o, pronounced as /ɪ/ as in women /ˈwɪmɪn/
- ti, pronounced as /ʃ/ as in nation /ˈneɪʃən/ or motion /ˈmoʊʃən/

One would expect to pronounce the word in English as "goatee", /ˈɡoʊti/, not "fish".

Come up with a creative or absurd spelling of any existing word that would demonstrate English or other language idiosyncrasies. Provide transcriptions for the words from which you have taken specific sounds **and** the expected pronunciation of your creative spelling. You can follow the “ghoti” example above.

#### Answer

Your word(s): **quaff**

Creative or absurd spelling of your word(s): **chauph**

Transcriptions for the words from which you have taken specific sounds:

- ch, pronounced as /kw/ as in choir /ˈkwɪə(r)/
- au, pronounced as /ɒ/ as in because /brɪˈkɒz/
- ph, pronounced as /f/ as in phone /fəʊn/

The pronunciation of your creative spelling: what you would expect people to pronounce your made up spelling? /**kʷɒf**/

Cantao Su