**Homework for Session 2 (Speech and Writing)**

1. Sounds used in English: Identify the sound that is given in the description. Write down the IPA character.
2. voiceless labio-dental fricative /f/
3. (voiced) velar nasal /ŋ/
4. voiced alveolar fricative /z/
5. voiceless (palate) alveolar affricate /ʧ/ (the ch sound in the word ‘church’)
6. voiceless palatal fricative /ç/ (It does not belong to the standard English sound inventory)
7. Sounds not used in English: Identify the sound that is given in the description. Pronounce it and, if you know, write down a language that has the sound and an example word. If you can, give the IPA character.
8. voiceless palatal fricative /ç/ German ‘nicht’,in Turkish, Russian
9. voiceless velar fricative /x/ Spanish, represented by the letter “j”, Mandarin
10. voiceless velar affricate /kx/ Swiss dialects, New Zealand English
11. voiceless bilabial fricative /ɸ/ Korean, Japanese
12. voiced bilabial fricative /β/ German ‘aber’.
13. Describe the following consonants in terms of the features: voicing, place and manner of articulation.

Example: [h] voiceless glottal fricative

1. [ʃ] voiceless postalveolar fricative
2. [ʤ] voiced palate alveolar affricate
3. [x] voiceless velar fricative
4. [ç] voiceless palatal fricative
5. [r] voiced alveolar trill