# START OF QUIZ Student ID: 49919301,Keigan,Jonathan

Topic: Lecture 3 Source: Lecture 3

How does a default dict differ from a regular dictionary in Python? (2 differences) (1)

Topic: Lecture 3 Source: Lecture 3

When would we want to represent linguistic data in a list, instead of a dictionary or a set? (1)

Topic: Lecture 2 Source: Lecture 2

If a language has a highly synthetic morphology (many affixes), would you expect it to have a higher or lower Type-Token Ratio (TTR) than a language with less rich morphological structure? Briefly explain why. (1)

Topic: Lecture 1 Source: Lecture 1

How would you convert a string into a list of characters? (1)

Topic: Lecture 1 Source: Lecture 1

When would you choose to preserve the original case of text during data processing, rather than converting everything to lowercase? (1)

Topic: Lecture 4 Source: Lecture 4

Attributive adverbs are a type of adverb that provides "flavour" to speech verbs (example: "she said quickly"; "he spoke loudly"). They are often frowned upon in formal writing, because they can be replaced with other verbs: "blurted" or "shouted", in the example. Write a quick function that finds them in the Brown corpus, and reports how many sentences in 1000 have them. (2)

Topic: Lecture 2 Source: Lecture 2

Is it possible for a corpus of a low-resource language to follow Zipf's law? What factors might influence the degree to which the law applies in such languages? (2)

Topic: Lecture 4 Source: Lecture 4

In French, negation is often indicated by "ne ... pas" (ie, "je ne parle pas" - "I am not speaking"; "tu ne conduis pas" - "You are not driving", etc.). However, in speech, one of the two is often dropped: "je ne parle." or "tu conduis pas.". Using this information, how would you determine whether a corpus was composed of written or spoken French? You don't need to write the code, but explain the logic that you would use to come to this conclusion. (2)

Topic: Long

Source: Lecture 1

Write a function that validates if a string matches a phone number format, such as (123) 456-7890. What types of invalid inputs should the function check for? Are there edge cases we would be willing to accept? How would we handle those? Write 3 test cases - 2 that should pass, and one that should fail. (3)

# END OF QUIZ