

CSC108H Worksheet: Random Story Generation 2: Representing the Data

We need to decide how to represent the data for the random story generation problem.

- **The new story:**

Which Python type should we use to represent this data? _____

- **The number of words in the new story:**

Which Python type should we use to represent this data? _____

- **The number of words of context:**

Which Python type should we use to represent this data? _____

- **The context and next word(s):**

To determine how to represent this information, let's start by writing down what we need to keep track of. We'll use this sample training text:

So, as fast as I could, I went after my net.

Using one word of context, complete the table below:

Context (one word)	Possible next words
So,	
as	
fast	
I	
could,	
went	
after	
my	
net.	

Using two words of context, complete the table below:

Context (two words)	Possible next words
So, as	
as fast	
fast as	
as I	
I could,	
could, I	
I went	
went after	
after my	
my net.	

Which Python type should we use to represent this data? Write it as you would in a type contract.
