CS 1.2: Intro to Data Structures & Algorithms

Higher Order Markov Chains Worksheet	Name:
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Text: "I	like dogs and	d you like dog	ıs. I like cats l	but you hate	cats." (ignore al	ll punctuation)
Q1: Out	line a windov	w of three wo	rds centered	on each occı	urence of the wo	rd "like" in the text.
text abo	ve. Each <i>sta</i>	te should hole	d a <i>pair of wo</i>	rds and each	-	from analyzing the eaving a state will ed by the state.
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(as it wo	ould look if yo	ou printed it o	ut in Python).	Put each ke	<u>y-value entry</u> tha	order Markov chain at represents a state ram of next words.
Q4: <u>Writ</u>	<u>te a new sen</u>	<i>tence</i> that ca	n be generate	ed by doing a	a random walk o	n this Markov chain