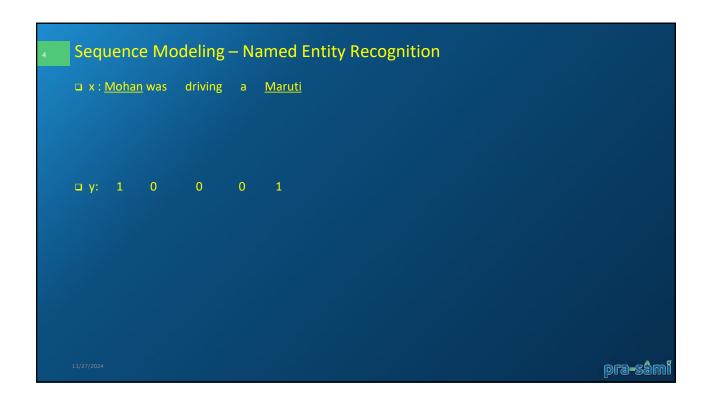




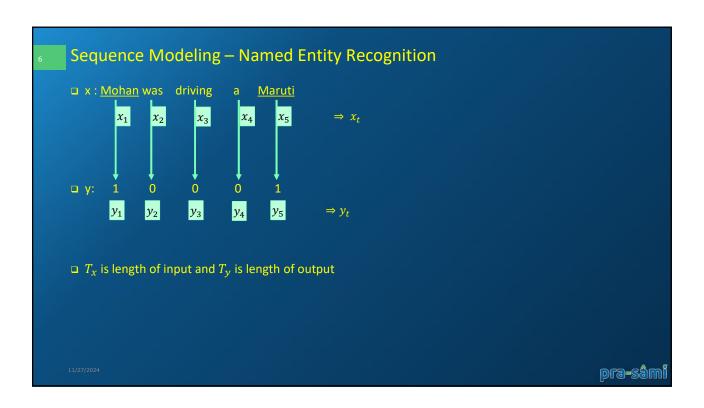
xamples – Sequence Modelling					
Domain	Data Type	Output type			
Speech Recognition	Audio	Words (text)			
Music Creation	Nodes (Ø)	Audio			
Sentiment classification	an enjoyable one-time-watch for the funny punchlines, far-out characters and performances. But the unconvincing story and the temperate screenplay prevent it from reaching its full potential	Integers (Stars ratings from 1 to 5)			
Machine Translation	डीएनएन व्याख्यानमाला आपले स्वागत आहे।	Welcome to DNN Lecture.			
Named Entity Recognition	Mohan was driving a Maruti	Mohan was driving a Maruti			
Video activity recognition	Sequence of Video Frames	Identify activity say running			



```
Sequence Modeling — Named Entity Recognition

x: < Mohan Sharma> was driving a < Maruti 800>

y: 1 0 0 0 1
```



```
Representing Words

Vocabulary = [a, aakash, aamaan... to zulu, zyzzogeton]

Also referred as corpus

Two more tokens <UNK> and <EOS>

Can be converted to one hot encoding

X: Mohan was driving a Maruti

0 0 0 1 0

0 0 0 0 0

- - 1 - - -

- - - - 0 1

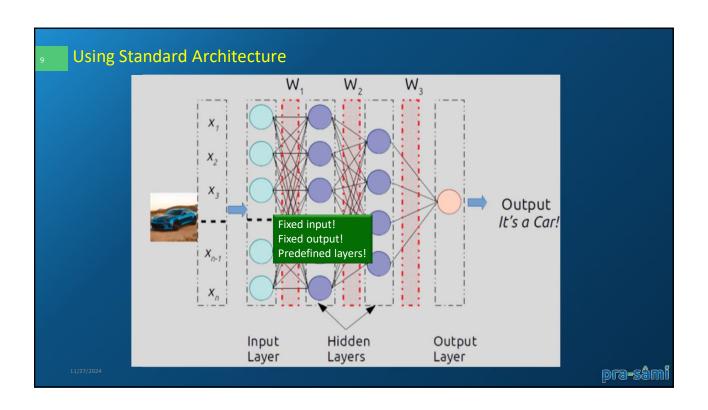
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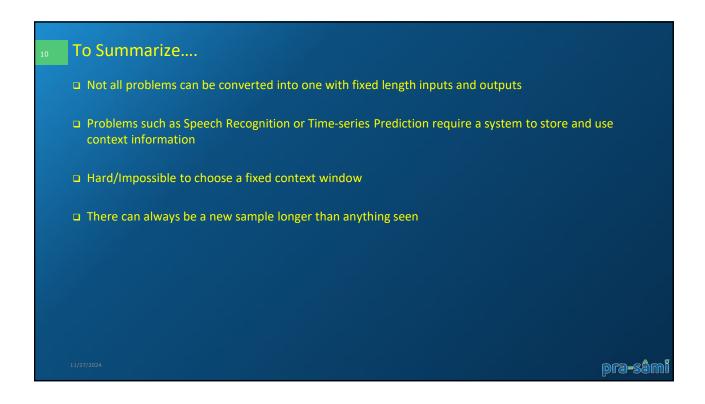
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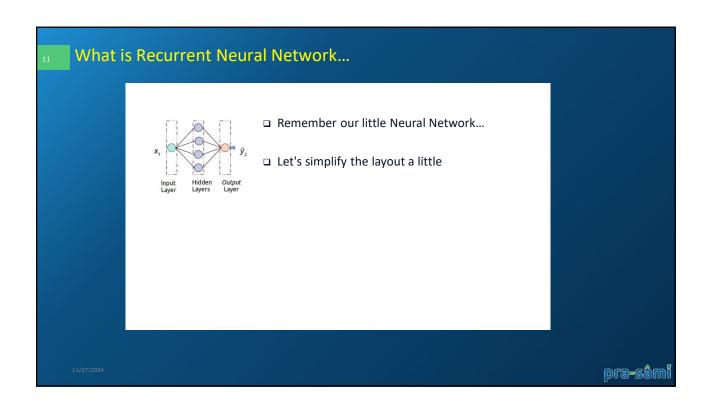
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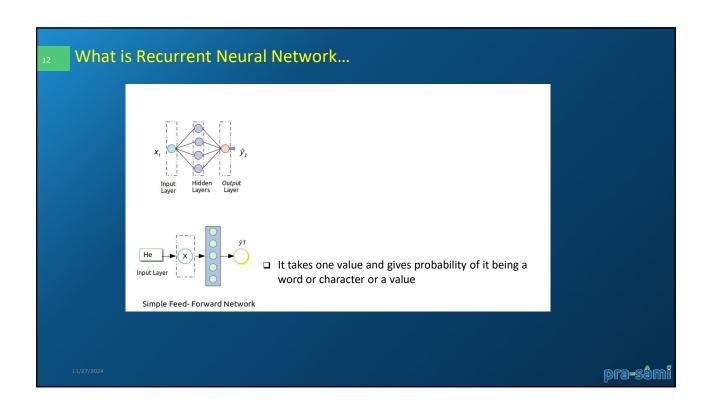
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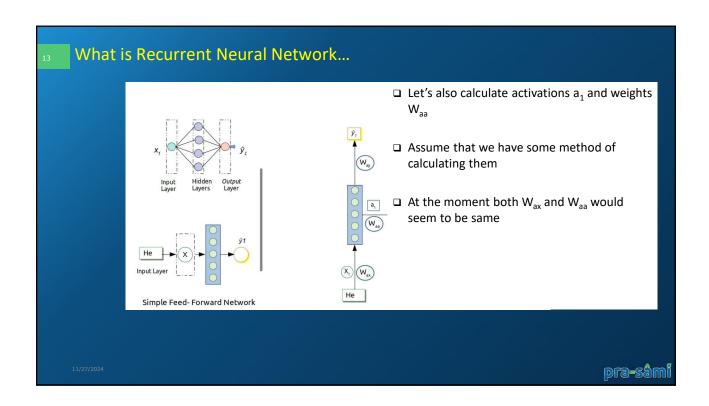
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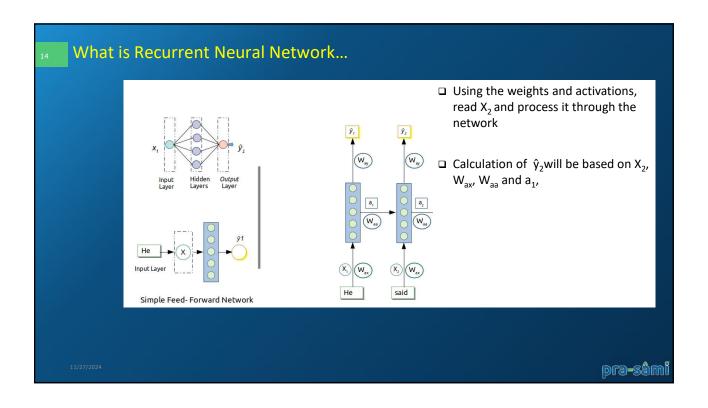


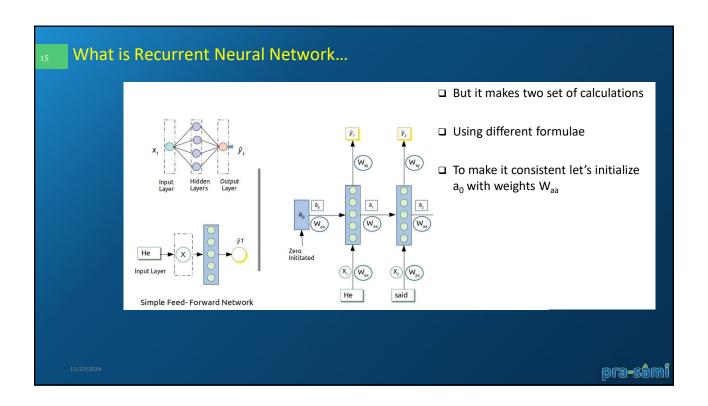


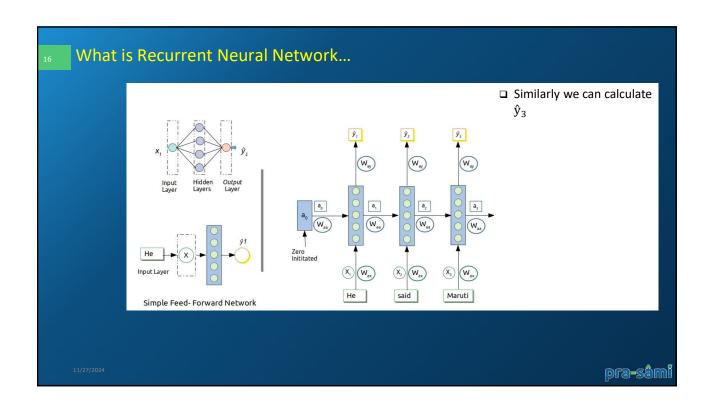


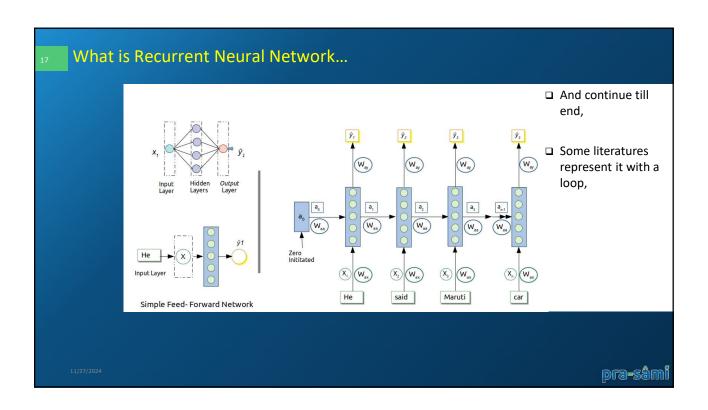


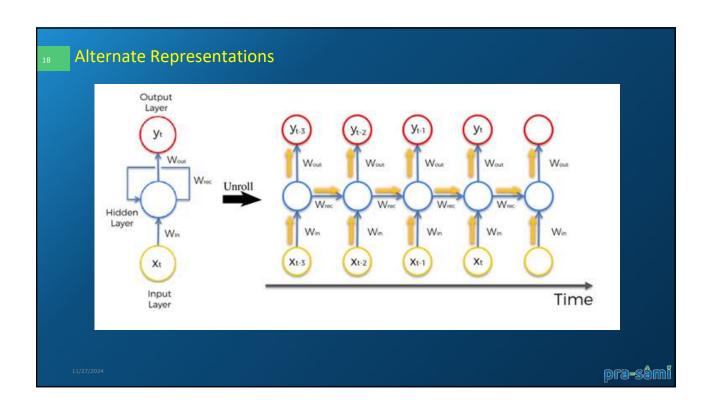


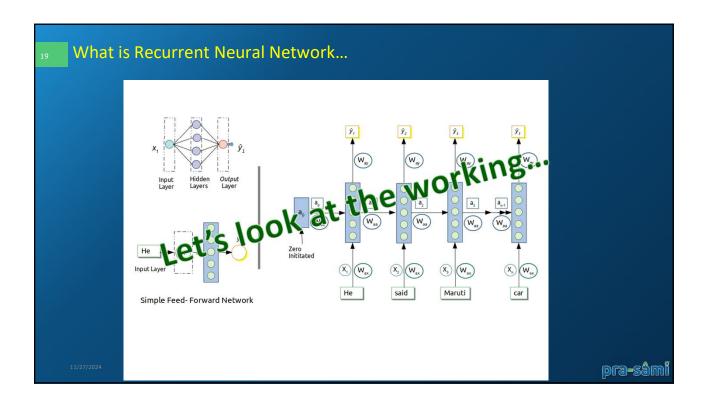


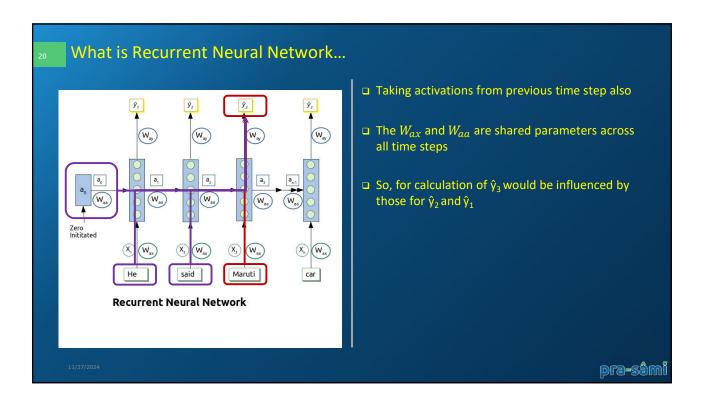


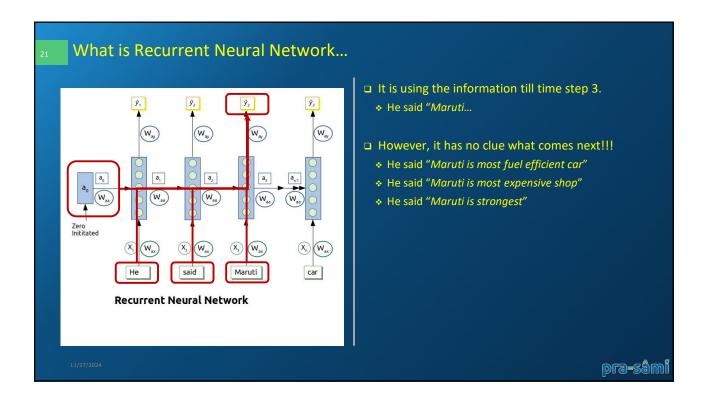


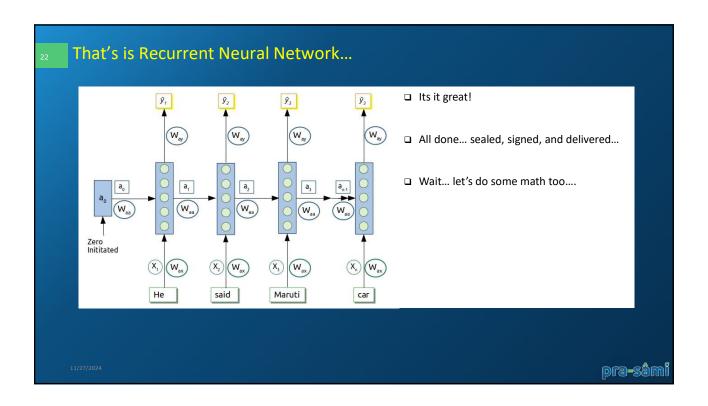


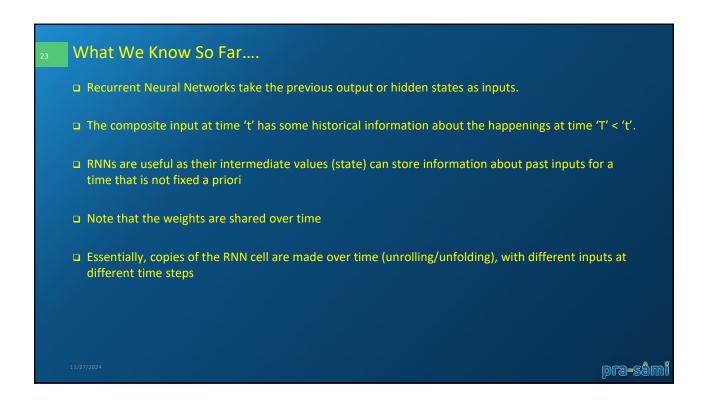


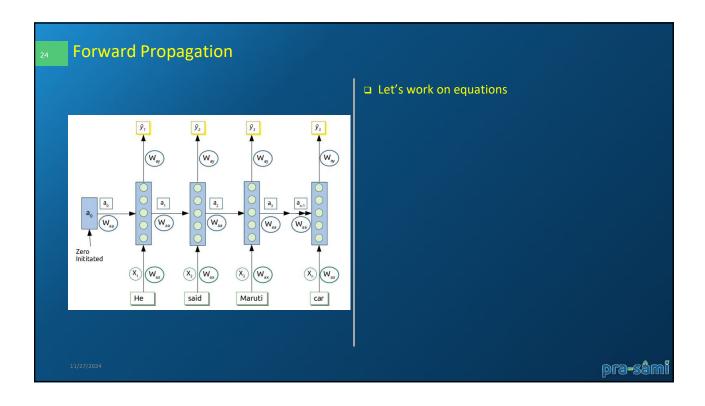


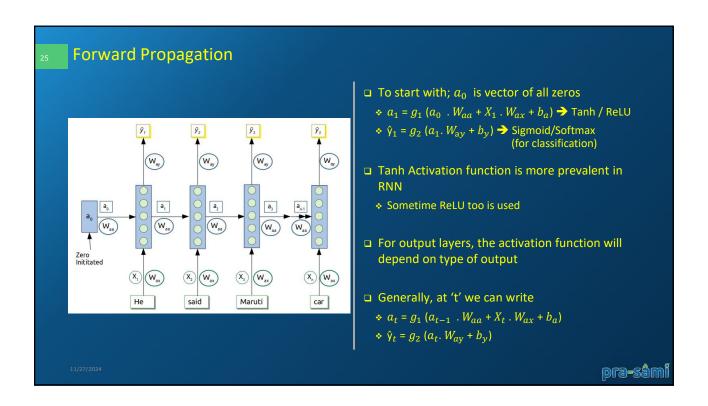


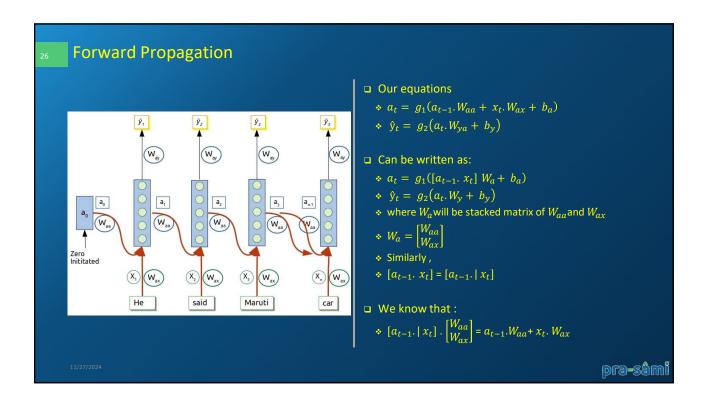


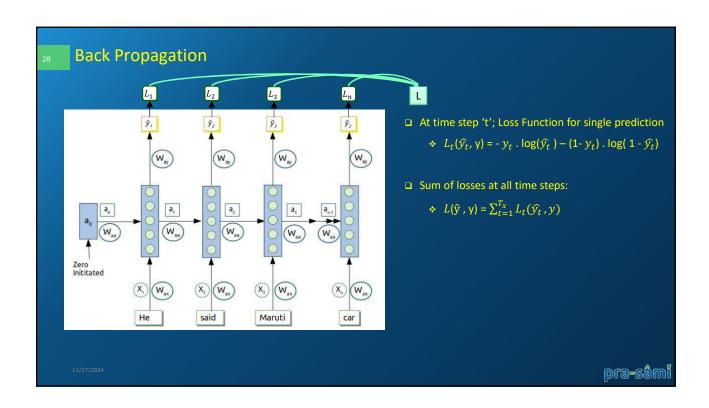


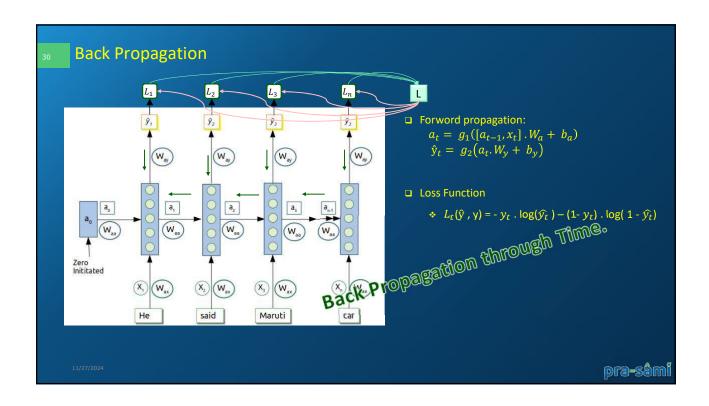


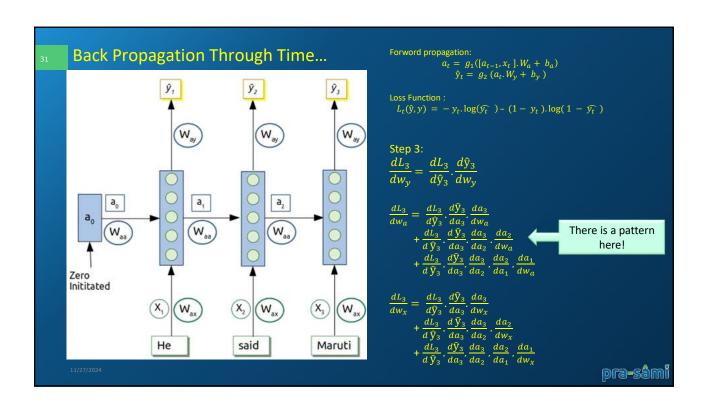


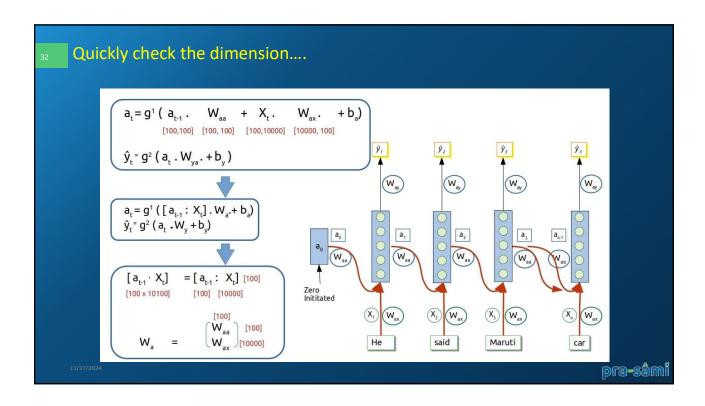


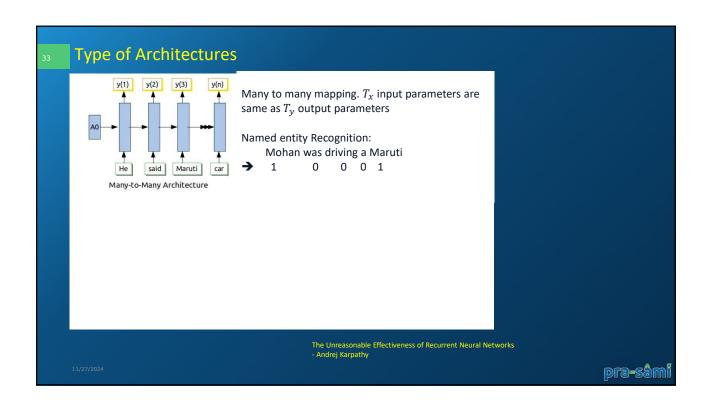


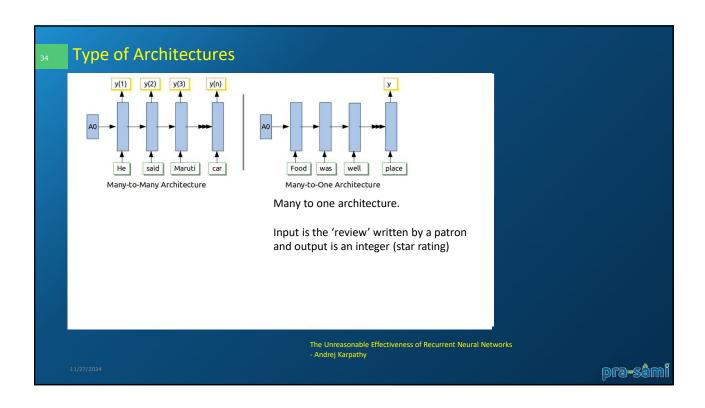


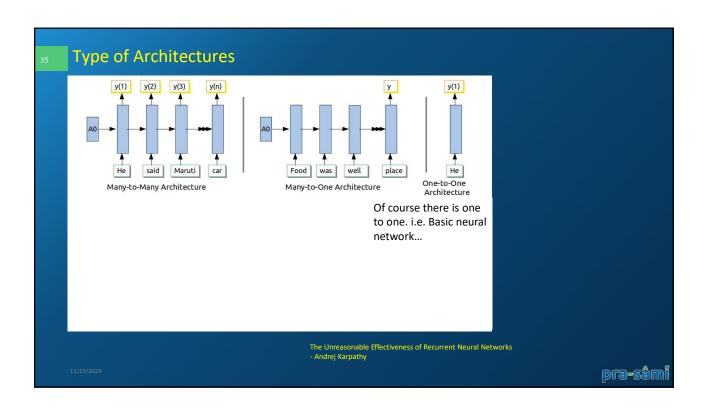


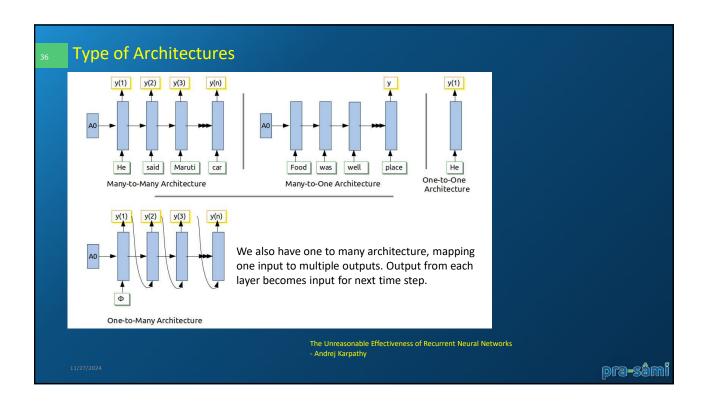


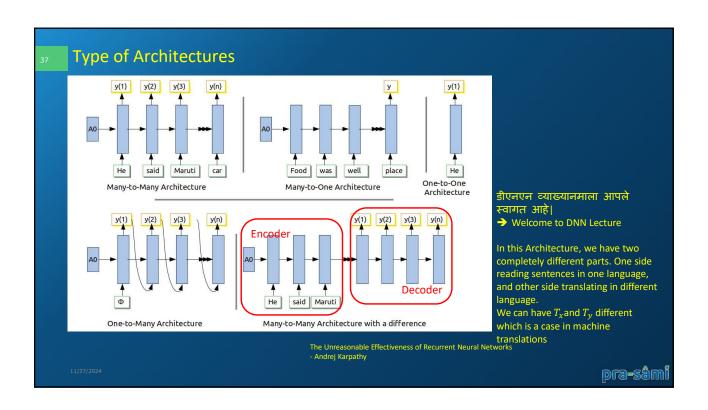


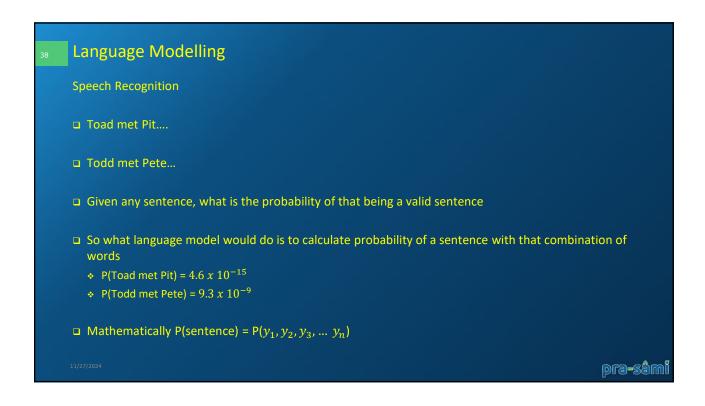


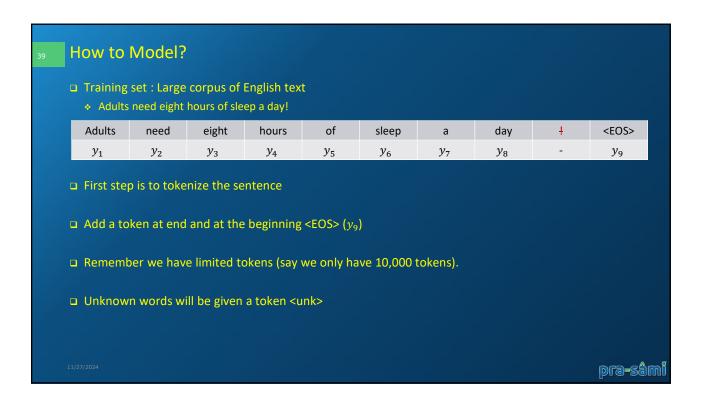


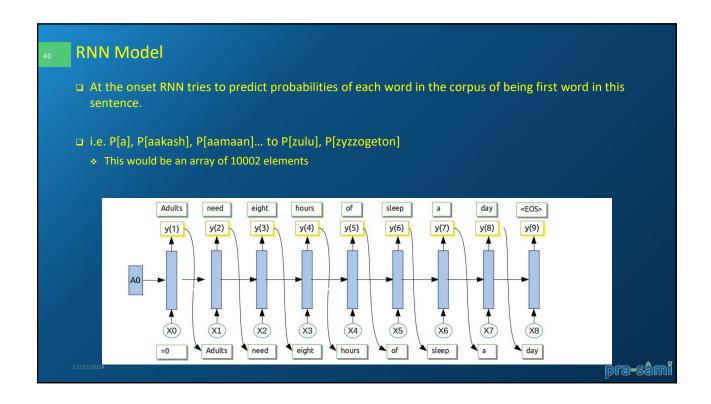


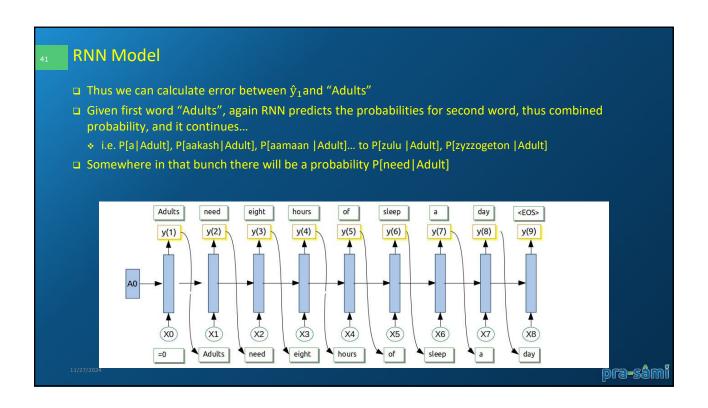


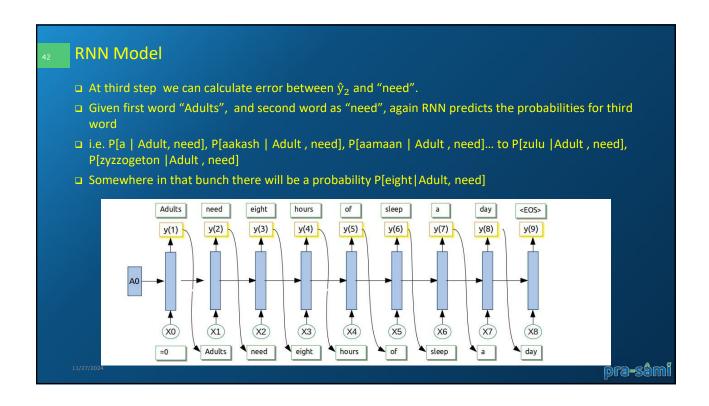


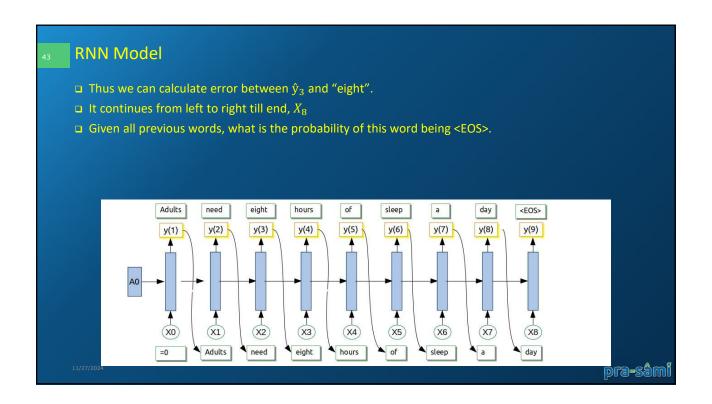


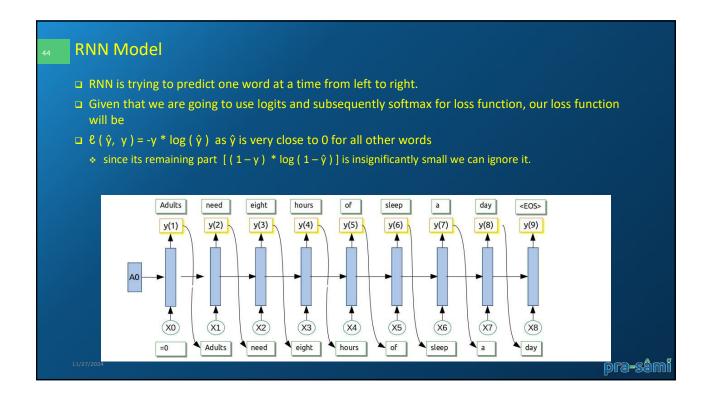


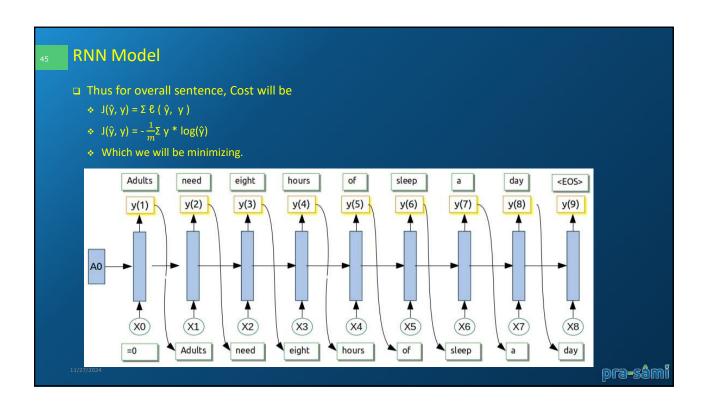


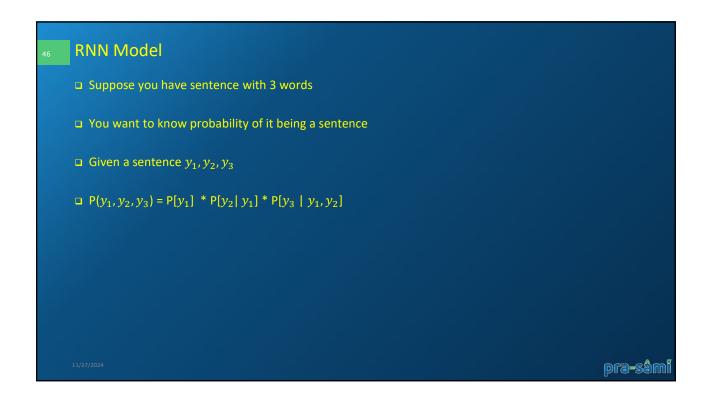














	Man (5468)	Women (8701)	King (4823)	Queen (7157)	Apple (56)	Oranges (7259)
Gender	-1	1	-0.95	0.97	0	0.001
Royal	0.01	0.02	0.90	0.98	0.05	-0.01
Age	0.05	0.02	0.7	0.68	0.001	-0.4
Food	0.001	0.002	0.0001	0.0002	0.95	0.90
	f algorithm, we o	can use this usin	g Similarity Coe	efficients		

