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**Assignment– Week8**

There are many RNN architectures :

1. Many to many
2. Many to one
3. One to one
4. One to many

Used in many applications:

1. Speech recognition
2. Music prediction
3. Sentiment analysis

Use the clipping method to eliminate the exploding gradient problem

Use the GRU or LSTM to eliminate the vanishing gradient problem

Use bidirectional RNN to depend on future data