

# RNN Question

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June 2024

## 1 Questions for concept build up

1. What is a Recurrent Neural Network (RNN)?
2. How does an RNN differ from a traditional feedforward neural network?
3. What is the primary advantage of using RNNs for sequential data?
4. Explain the concept of "hidden state" in an RNN.
5. What is the vanishing gradient problem in the context of RNNs?
6. Name one popular architecture that addresses the vanishing gradient problem in RNNs.
7. How does Long Short-Term Memory (LSTM) differ from a standard RNN?
8. Describe the role of the forget gate in an LSTM.
9. What are the common applications of RNNs?
10. Explain the concept of "backpropagation through time" (BPTT).