Started on	Monday, 27 January 2025, 12:08 PM
State	Finished
	Monday, 27 January 2025, 12:16 PM
Time taken	7 mins 38 secs
Question 1	
Complete	
Marked out of 1.00	
What is the purpose	of running the training loop for multiple epochs?
a. To evaluate the model's performance	
O b. To compute the validation accuracy	
c. To avoid ove	rfitting on the training data
d. To allow the model to repeatedly update weights and minimize loss	
Question 2	
Complete	
Marked out of 1.00	
How does the batch_size parameter affect training in RNNs?	
a. It specifies the	ne length of the input sequence.
b. It determine	s the number of sequences processed simultaneously.
c. It controls th	e optimizer's learning rate.
od. It sets the nu	mber of RNN layers.
Question 3	
Complete	
Marked out of 1.00	
What is the purpose of the nn.Linear layer in the RNN model?	
	multiple layers of the RNN
•	RNN output to the desired output size
oc. To initialize t	he hidden state
od. To add non-	inearity to the model

Question 4 Complete
Marked out of 1.00
In the prediction loop, why is torch.no_grad() used? a. To prevent gradient computation for faster inference b. To initialize the model's parameters c. To enable backpropagation d. To update the weights during prediction
Question 5 Complete Marked out of 1.00
In the training loop, why is optimizer.zero_grad() used before computing the loss? a. To speed up the training process b. To reset the model parameters c. To initialize the loss value d. To clear gradients from the previous iteration
Question 6 Complete Marked out of 1.00
Why do RNNs struggle with long-term dependencies? a. Due to insufficient training data b. Because they cannot process sequential data c. Because they require higher-dimensional input features d. Due to vanishing and exploding gradient problems
Question 7 Complete Marked out of 1.00
What is the purpose of pred.unsqueeze(-1) in the prediction loop? a. To convert a scalar to a tensor b. To stack multiple predictions together c. To reshape the prediction to match the sequence input shape d. To add a batch dimension

Question 8 Complete Marked out of 1.00
What does the hidden_size parameter in the RNN layer define? a. Number of time steps in the sequence b. Number of features in the hidden state output c. Number of features in the input sequence d. Number of layers in the RNN
Question 9 Complete Marked out of 1.00
Which of the following best describes the role of the learning rate?
a. It sets the batch size during training.
b. It determines how quickly the loss is computed.
o. It controls the step size during gradient descent.
Od. It decides the number of epochs for training.
Question 10
Complete
Marked out of 1.00
What does the loss function nn.MSELoss() indicate in this context?
a. It ensures the weights are normalized.
b. It calculates the difference between actual and predicted classes.
c. It penalizes predictions far from the mean.
d. It measures the squared difference between actual and predicted values.