HW 4

Name: Shubham Singh USC ID: 4379637680

Task 1: Simple BiLSTM

1. Precision, Recall and F1 Score?

2. Hyperparameters?

⇒ I used Learning Rate as 0.017, Momentum = 0.9. Scheduler as StepLR with step size = 25 along with batch size of 8. I also used class weights and weight initialization. I ran it for 20 epochs.

Task 2: GloVe word embeddings

1. Precision, Recall and F1 Score?

2. Hyperparameters?

⇒ I used Learning Rate as 0.017, Momentum = 0.9. Scheduler as StepLR with step size = 25 along with batch size of 8. I also used class weights and weight initialization. I ran it for 30 epochs.

3. How did you deal with capitalization of words?

□ I used weight and embedding matrix and passed weight matrix to torch.nn.Embedding so that it will automatically learn weights for capital letters since they won't be present in glove.