Language Task

Instructions:

- Preferably use Pytorch for the tasks
- While coding, ensure that you have commented your code well
- For both tasks, print precision, recall, F1 scores as output
- Submit your notebook file (Colab or Jupyter), according to the instructions provided in the dropbox linked here

Dataset

dummy_data = ['you won a billion dollars , great work !',
'click here for cs685 midterm answers',
'read important cs685 news',
'send me your bank account info asap']

Labels

dummy_labels = torch.tensor([1, 1, 0,1], dtype=torch.float64, requires_grad=True)

Task 1: Create a two-block transformer model where the CLS token embedding from the second block is fed to a feedforward layer for classification. Report performance in precision, recall and F1 score as output.

Task 2: Increase the number of heads in the transformer built in Task 1 to ten. Report performance in precision, recall and F1 score as output.