NLP Task: Part of Speech Tagging and Ex.NO : 5 leverter ratemedin 9/9/25 Buy using NLP dileraries to perform part of speech togging. Perogram import poudas as pd infort ore import shacy nlh = spacy. load ("en_core_web_sh") test = " AI - driven platforms personalise learning paths and help student grasp concepts ". doc = nlp (text) for token in doc: point & of " E token. text: 15 3 -> & token. por - 3" 3 from skleaun. feature extraction. text import this of vectoriser from spleam metrics pairwese umport cosine milarity. documents = ["AI tools analyse student performance and perovide - real time feedback"

Corpus = documents + [query] Nectoringer = I fidf Vectoringer () third - matrice = rectarringer. fit - teronsform (corpus) similarities = cosine - similarity (tfiaf - materia (-1) Afidf-matrix (:-]). flatten () ranked - docs = scorted (zip (similarities, documents), roverse = Tai point (" In Top relevant documents: (n") for more, doe in ronked-does: print (of " Score: ¿ Score: 33-> (doc 3") thus, nelp performance has been recented

guerry = " How does AI support estandants in

learning ,"