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Program Description:

This program detects the presence of words that are likely to be spam. After identifying the words, it calculates the amount of spam score, then it is classified depending on the probability it is spam.

Functions used in the Program:

1. Function Name: calculate\_spam\_score

Description: Scan the emails sent and detect the words based on the 30-word list.

Parameters: message (str): The message that contains the email sent.

Variables: score (int): Calculates the number of words.

Logical Steps: Convert the words to lowercase. Starts the loop based on the 30-word list. In the case that a keyword is found, add one to the count.

Returns: score (int): The number of keywords found.

matched\_keywords (list of str): Words that are matched from the list.

2. Function Name: classify\_spam

Description: The spam score becomes a string indicating the likelihood.

Parameters: score (int): The score calculated before.

Variables: No variables.

Logical Steps: Checks if the score is 10 or more than 10, it returns "High likelihood of spam". If the score is more than 5, it returns "Moderate likelihood of spam". If it is not the case, it returns "Low likelihood of spam".

Returns: (str): Classifies the likelihood.

Logical Steps:

The program starts by initiating the main(). In the main(), the input introduced by the user is collected. calculate\_spam\_score() starts and calculates the spam score based on the input introduced by the user. classify\_spam() starts giving as a result the likelihood. The results of the program are printed within the main().

Link to your repository: https://github.com/TheSantiagoXVII/COP2373.git

Output Screenshot:

A black background with many lights

AI-generated content may be incorrect.