**Program Description:**

This program checks to see whether an email you sent has any spam keywords which indicate whether your email is spam or gauges the probability of it being spam.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** get\_spam\_keywords

**Description:**

The function uses predetermined spam keywords to look out for.

**Parameters:**

None

**Variables:**

List of strings with the spam keywords/phrases.

**Logical Steps:**

1. Determine the list of spam keywords/phrases.

**Returns:**

A list of strings that contain spam keywords/phrases.

2. **Function Name:** calculate\_spam\_score

**Description:**

A function that calculates a spam score which sees the possibility of the input message being spam.

**Parameters:**

message: The email message to be analyzed.

keywords: The list of spam keywords to look out for.

**Variables:**

spam\_score: An integer that starts at 0. The score shows the amount of spam words.  
spam\_words\_found: A list that stores the spam keywords in the email message.

**Logical Steps:**

1. Sets spam\_score to 0 and spam\_words\_found to an empty list.
2. Loops between each keyword in the spam keyword list.
3. Searches for the keywords with no case sensitivity to look for a keyword in the email message.
4. When a word is found increase spam\_score by 1 and add the keyword to the spam\_words\_found list.
5. Return spam\_score and spam\_words\_found.

**Returns:**

A tuple with spam\_score (score with the number of spam keywords) and spam\_words\_found (List of keywords detected in email message).

**Logical Steps:**

1. Determine the Spam Keywords/Phrases.
2. User inputs the email message.
3. Calculate the spam score.
4. Determine the possibility or likelihood of being spam.
5. Display the results.

**Link:** https://github.com/Art389/COP-2373