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**Program Description:**

This program checks an email message to see if it might be spam. It looks for 30 common spam words or phrases. For each word found, the program adds 1 point to the spam score. At the end, it shows the spam score, whether the message is likely spam, and which words were found.

**Functions used in the Program:**

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

* **Description:** Counts how many spam words are in the message.
* **Parameters:**
  + message → the email text entered by the user.
* **Variables:**
  + message\_lower → the message turned into lowercase letters.
  + matched\_words → list of spam words found in the message.
  + score → number of spam words found.
* **Steps:**
  + Change the message to lowercase.
  + Check each spam word in the list.
  + Count matches and store them.
* **Returns:**
  + The score and the list of spam words found.

**2. Function Name:** spam\_likelihood

* **Description:** Decides if the email is spam based on the score.
* **Parameters:**
  + score → the number of spam words found.
* **Steps:**
  + If score is 0 → Not Spam.
  + If score is 1–3 → Low chance of Spam.
  + If score is 4–6 → Medium chance of Spam.
  + If score is 7 or more → High chance of Spam.
* **Returns:**
  + A message about the spam likelihood.

**3. Function Name:** main

* **Description:** Runs the program and shows the results.
* **Parameters:** None
* **Variables:**
  + message → user’s input.
  + score → number of spam words.
  + matched → words that were found.
  + rating → spam likelihood.
* **Steps:**
  + Ask the user to type an email message.
  + Call calculate\_spam\_score.
  + Call spam\_likelihood.
  + Show the score, rating, and matched words.

**Logical Steps (Program Flow):**

1. User types an email.
2. Program counts spam words.
3. Program decides how likely it is spam.
4. Program shows the results.

**Link to your repository:**

**https://github.com/facundolambrecht08/COP2373**