

Challenge: Extract Words and Count Frequencies!

Description You are given a string containing a mix of alphabetic words and non-alphabetic characters (punctuation marks, spaces, symbols, etc.). Your task is to write a Python program that:

- Extracts only the alphabetic words from the string.
- Counts the total number of words extracted.
- Calculates how many times each word appears.

Example Input/Output

Input:

```
Hello, Python! Hello, World! Python is amazing.
```

Output

yaml

 Copy code

```
Enter a string: Hello, Python! Hello, World! Python is amazing.
Extracted Words: Hello Python Hello World Python is amazing
Number of Words: 7
Word Frequencies:
Hello: 2
Python: 2
World: 1
is: 1
amazing: 1
```

Hints

- **Regular Expression:** The pattern `r"^[A-Za-z]+"` matches sequences of non-alphabetic characters.
- **Filtering Empty Strings:** Use a list comprehension to remove empty strings from the result of `re.split`.
- **Word Frequencies:** Use the `Counter` class to count how many times each word appears.