

Write a Python program to calculate the frequency of each word in a given text. Print the words and their corresponding counts.

```
In [1]: # Input text
text = input("Enter the text: ")

# Convert the text to lowercase and split it into words
words = text.lower().split()

# Create a dictionary to store word frequencies
word_count = {}

# Calculate the frequency of each word
for word in words:
    word_count[word] = word_count.get(word, 0) + 1

# Print the words and their corresponding counts
print("Word frequencies:")
for word, count in word_count.items():
    print(f"{word}: {count}")
```

Enter the text: "Hello, World!" is a classic example of text in Python, often used as a first program to print a simple message on the screen; you can write this in Python as: print("Hello, World!").

Word frequencies:

```
"hello,: 1
world!": 1
is: 1
a: 3
classic: 1
example: 1
of: 1
text: 1
in: 2
python,: 1
often: 1
used: 1
as: 1
first: 1
program: 1
to: 1
print: 1
simple: 1
message: 1
on: 1
the: 1
screen;: 1
you: 1
can: 1
write: 1
this: 1
python: 1
as:: 1
print("hello,: 1
world!").: 1
```

