1. Write a program that asks the user for a word. The program should output the number of vowels in the word. (In this program, 'y' is not considered a vowel.) Your program should handle words with both upper- and lower-case letters.

Your output must exactly match this format:

Please enter a word: ...
    Your word has X vowels in it.

For example:

Please enter a word: Tree
    Your word has 2 vowels in it.

Please enter a word: APPLES
    Your word has 2 vowels in it.
2. Write an interactive program to calculate the average temperature in Hamilton for the last week. Your program will need to ask the user to enter the temperature for every day for the past week. Then you will output the average temperature. In addition to the average, your program should output the lowest and highest temperatures during the week. Your program must use a loop.

Your output must exactly match the following:

```
What was the temperature 7 days ago? 47
What was the temperature 6 days ago? 51
What was the temperature 5 days ago? 33
What was the temperature 4 days ago? 61
What was the temperature 3 days ago? 75
What was the temperature 2 days ago? 90
What was the temperature yesterday? 40

The average temperature over the last week was 56.71.
The highest temperature was 90.
The lowest temperature was 33.
```