Question 1:

Write a Python "For loop" that counts from 0 to 4. For each number in this range, print the word 'hello' followed by the current number.

Ouestion 2:

Let's see how your treasure grows each week. You start with 20 coins you found. Each week, you gain 70 magic coins but lose 3 coins due to theft.

Write a Python "for loop" to show how many coins you have at the end of each of the 52 weeks.

Your Task:

Write a Python for **loop** that simulates the increase in coins over 52 weeks using the following variables:

- found_coins = 20 (Starting number of found coins)
- magic coins per week = 70 (Magic coins gained each week)
- stolen_coins_per_week = 3 (Coins lost due to theft each week)

Print the total number of coins at the end of each week in the format: 'Week X = Y', where X is the week number and Y is the current number of coins.

Ouestion 3:

Write a Python for loop to iterate over a list of numbers (numbers = [5, 10, 15, 20, 25]). Inside the loop, check if each number is even or odd. If the number is even, print 'Number X is even', otherwise print 'Number X is odd', where X is the current number from the list.

Question 4:

Create a Python for loop to iterate through a string (message = "hello world"). Inside the loop, check if each character is a vowel ('a', 'e', 'i', 'o', 'u'). If a character is a vowel, print 'Vowel found: character', otherwise print 'Consonant found: character', where character is the current character from the string.

Question 5:

Implement a Python for loop to iterate over a list of names (names = ['Alice',
'Bob', 'Charlie', 'David', 'Eve']). Inside the loop, check if a name starts with the
letter 'A'. If a name starts with 'A', print 'Name starting with A: name', otherwise
print 'Name not starting with A: name', where name is the current name from the
list.

Question 6:

Write a Python for loop to iterate through a list of numbers (numbers = [3, 7, 12, 9, 5]). Inside the loop, check if each number is greater than 5. If a number is greater than 5, print 'Number X is greater than 5', otherwise print 'Number X is not greater than 5', where X is the current number from the list.

Question 7:

Create a Python for loop to iterate over a dictionary of student grades (grades = {'Alice': 85, 'Bob': 72, 'Charlie': 90, 'David': 68}). Inside the loop, check if a student's grade is above or equal to 80. If a grade is 80 or above, print 'Student X scored well', otherwise print 'Student X needs improvement', where X is the current student's name from the dictionary.