# Module 5.2 For Loop 1: Coding Questions with Hints

## Question 1: Use a for loop to print numbers from 1 to 10.

Hint: Use the range() function to generate numbers from 1 to 10.

## Question 2: Write a for loop to iterate over a list and print each element.

Hint: Directly loop over the list using a for loop.

## Question 3: Use a for loop to print all even numbers between 1 and 20.

Hint: Inside the loop, use an if statement with the modulus operator to check for even numbers.

## Question 4: Create a for loop that sums all numbers in a list.

Hint: Initialize a sum variable before the loop, then add each number to this variable inside the loop.

## Question 5: Use a for loop to iterate over a string and print each character.

Hint: Strings are iterable, so you can loop over them directly with a for loop.

## Question 6: Write a for loop that prints the reverse of a string.

Hint: Use the reversed() function or slice notation to reverse the string before or within the loop.

## Question 7: Use a for loop to create a list containing the squares of numbers from 1 to 10.

Hint: Inside the loop, calculate the square of each number and append it to a new list.

## Question 8: Write a for loop to count how many times the letter 'a' appears in a string.

Hint: Use an if statement within the loop to check each character against 'a'.

## Question 9: Create a for loop that iterates over a dictionary and prints out each key-value pair.

Hint: Use the .items() method on the dictionary to get key-value pairs in the loop.

## Question 10: Use a for loop and an if statement to find the minimum value in a list of numbers.

Hint: Initialize a variable with a very high value before the loop, then compare and update it with each item if it's lower.