# Module 4.4 Else Statements: Coding Questions

## Coding Question:

Write an else statement to accompany an if statement that checks if a number is even, printing 'Odd' if the number is not even.

## Hint:

Remember, an else statement does not have a condition; it executes when the if condition is not met.

## Coding Question:

Create an if-else structure that prints 'Adult' if age is 18 or above, and 'Minor' otherwise.

## Hint:

Use `if age >= 18:` to check adulthood; otherwise, use `else` to handle minors.

## Coding Question:

Implement an if-else statement to check if a list is empty and print appropriate messages.

## Hint:

An empty list evaluates to False. Use this in your if condition to check list contents.

## Coding Question:

Write an if-else condition to check if a string contains the character 'a', and print 'Contains a' or 'Does not contain a' accordingly.

## Hint:

Use the `in` operator to check for character presence within the string.

## Coding Question:

Given two numbers, print the larger one, or 'Equal' if they are the same.

## Hint:

This requires comparing the two numbers using if-else and checking for equality with an elif branch.

## Coding Question:

Write a program that categorizes a character as 'Digit', 'Letter', or 'Other' using if-else.

## Hint:

Utilize the `str.isdigit()` and `str.isalpha()` methods to check the character's category.

## Coding Question:

Create an if-else chain to determine and print whether a number is 'Positive', 'Negative', or 'Zero'.

## Hint:

You'll need to check if the number is greater than, less than, or equal to 0.

## Coding Question:

Implement an if-else structure to check if a user input string is 'Yes', 'No', or 'Invalid input'.

## Hint:

Remember to account for different capitalizations of 'Yes' and 'No'.

## Coding Question:

Write an if-else statement that prints 'Leap Year' for leap years and 'Not a Leap Year' for others.

## Hint:

Leap years are divisible by 4, but not every year divisible by 100 is a leap year, unless it's also divisible by 400.

## Coding Question:

Given a score variable, use if-else to categorize and print 'High', 'Medium', or 'Low' based on the score value ranges.

## Hint:

Define numerical ranges for 'High', 'Medium', and 'Low' categories.