**Coding Challenges for basic control flows and functions**

**1. Large Power**

Create a method that tests whether the result of taking the power of one number to another number provides an answer which is greater than 5000. We will use a conditional statement to return **True** if the result is greater than 5000 or return **False** if it is not. In order to accomplish this, we will need the following steps:

1. Define the function to accept two input parameters called **base** and **exponent**
2. Calculate the result of **base** to the power of **exponent**
3. Use an **if** statement to test if the result is greater than 5000. If it is then return **True**. Otherwise, return **False**

**Coding Question**

Create a function named **large\_power()** that takes two parameters named **base** and **exponent**.

If **base** raised to the **exponent** is greater than **5000**, return **True**, otherwise return **False**

**2.Divisible By Ten**

Create a function that determines whether or not a number is divisible by ten. A number is divisible by ten if the remainder of the number divided by 10 is 0. Using this, we can complete this function in a few steps:

1. Define the function header to accept one input **num**
2. Calculate the remainder of the input divided by 10 (use modulus)
3. Use an **if** statement to check if the remainder was 0. If the remainder was 0, return **True**, otherwise, return **False**

**Coding question**

Create a function called **divisible\_by\_ten()** that has one parameter named **num**.

The function should return **True** if **num** is divisible by **10**, and **False** otherwise. Consider using modulo operator **%** to check for divisibility.