Homework #16 Functions. Lambda. Map.

Note: General For all of the tasks below, you are asked to create a function AND test it; that is, show that it works

Tasks:

1. Write a function called multiply3, that takes a number as an argument. If that number is divisible without a remainder by three the function multiplies it by 5 and returns the result. Otherwise, the function returns the number without changes.

   Note: create a subfunction is_divisible_by_3 inside of the function multiply3 to verify if the number is divisible by three or not. That subfunction should return boolean True/False value

2. Rewrite the subfunction is_divisible_by_3 from the previous task as a lambda function.

3. Write a lambda function that checks if the string argument has a letter 'y' in it. The function should return boolean True/False value

4. Using map() function, apply the function from the previous task to a list of following strings: ['Jake', 'wonders', 'why', 'you', 'are', 'looking', 'at', 'the', 'sky']