Lecture Exercise 3

Instructions

- There are two problems to be finished by 10/4/2019 by 11:59 pm EST.
- Please submit a separate .py file for each problem on Submitty.

Problem 1

Ask the user to enter a number between 1 and 20. Verify that the number is less than 20. Once verified, square the number if it is even, or multiply it by 3 if it is odd.

def odd_even(enter_num):

Test Cases:

odd_even(23): Invalid

odd_even(14): Even, 196

odd_even(7) :Odd, 21

Problem 2

- Given a day of the week encoded as 0=Sun, 1=Mon, 2=Tue, ...6=Sat, and a boolean indicating if we are on vacation, return a string of the form "7:00" indicating when the alarm clock should ring. Weekdays, the alarm should be "7:00" and on the weekend (Saturday and Sunday) it should be "10:00". Unless we are on vacation -- then on weekdays it should be "10:00" and weekends it should be "off".

-
  alarm_clock(1, False) → '7:00'
  alarm_clock(5, True) → '10:00'
  alarm_clock(0, False) → '10:00'