ITM Free Coding School

Methods Questions for Assignment

ANIMAL_Friend

: Write a function takes a two-word string and returns True if both words begin with same letter

animal_friend('Handsome Horse) --> True
animal_friend('Dashing Cat) --> False

MAKES THIRTY

: Given two integers, return True if the sum of the integers is 30 *or* if one of the integers is 30. If not, return False

makes_twenty(30,10) --> True
makes_twenty(22,8) --> True
makes_twenty(2,3) --> False

New MACDONALD: Write a function that capitalizes the first and fourth letters of a name

new_macdonald ('macdonald') -->
MacDonald

ALMOST THERE: Given an integer n, return True if n is within 10 of either 100 or 200

    almost_there(96) --> True

    almost_there(102) --> True

    almost_there(140) --> False

    almost_there(207) --> True

FIND 22:

Given a list of ints, return True if the array contains a 2 next to a 2 somewhere.

has_22([1, 2, 2]) → True
has_22([1, 2, 1, 2]) → False
has_22([2, 1, 2]) → False

COUNT PRIMES: Write a function that returns the *number* of prime numbers that exist up to and including a given number

count_primes(100) --> 25

Just for fun:

PRINT BIG: Write a function that takes in a single letter, and returns a 5x5 representation of that letter

```
print_big('a')
out:    *
      *  *
      *****
      *    *
      *    *
```