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CPS109 Assignment #2

09/19/18

1.

def bingo(name, money):

print(name + " called bingo and won $"+str(money))

2.

def runner(num, mile, time):

numStr = str(num)

mileStr = str(num)

print("Runner #"+numStr+" passed mile "+mileStr+" at time "+time)

3.

def invertPyramid(char):

bigStr = ""

x = 0

while x < 6:

y = x

while y > 0:

bigStr+=" "

y=y-1

z = 6

while z > x:

bigStr+=char

z=z-1

bigStr+="\r\n"

x=x+1

print bigStr

4.

def textSquare(char, num):

print num\*char

for x in range(1, num-2):

spaces = (num-2)\*" "

print(char+spaces+char)

print num\*char

5.

def justConsonants(str):

bigStr = ""

for letter in str:

if not letter in "AEIOUYaeiouy":

bigStr += letter

print bigStr

6.

def justConsonants(str):

bigStr = ""

for letter in str:

if not letter.lower() in "aeiouy":

bigStr += letter

print bigStr

7.

dup3 gives the correct output.

8.

def dup5(s) :

target = ''

for letter in s :

dash = "-"

target = letter + dash + target + dash + letter

return target

9.

def separate(str):

cStr = ""

vStr = ""

for letter in str:

if not letter.lower() in "aeiouy":

cStr += letter

else:

vStr += letter

print("Vowels: "+vStr)

print("Consonants: "+cStr)

10.

def buildCipher(key) :

alpha1 = 'abcdefghijklmnopqrstuvwxyz'

alpha2 = key

for letter in alpha1 :

if letter not in key :

alpha2 = alpha2 + letter

return alpha2

def encode2(string, alpha2) :

alpha1 = 'abcdefghijklmnopqrstuvwxyz'

secret = ''

for letter in string :

if letter.lower() in alpha1:

i = alpha1.find(letter)

secret = secret + alpha2[i]

return secret