BÀI TẬP TUẦN 1 – PHẦN 2

# Cau 1

lst1 = []

for x in range(1,1000):

if x%3 == 0:

lst1.append(x)

print lst1

del lst1[:]

count = 1

while count <= 1000:

if count%3 == 0:

lst1.append(count)

count = count + 1

print lst1

# Cau 2

lstRange = range(1000, 1, -1)

lst2 = []

for x in range(1000, 1, -1):

if x%3 == 0:

lst2.append(x)

print lst2

del lst2[:]

count = 1000

while count > 0:

if count%3 == 0:

lst2.append(count)

count = count - 1

print lst2

# Cau 3

def **fib\_loop**(n):

if n:

a, b = 0, 1

for i in range(1, n):

a, b = b, a+b

return b

else:

return 0

print fib\_loop(10)

# Cau 4

def **fib\_recursively**(n):

if n == 1:

return 1

elif n >= 2:

return fib\_recursively(n - 1) + fib\_recursively(n-2)

else:

return 0

print fib\_recursively(10)

# Cau 5

def **is\_palindrome**(str):

if str == str[::-1]:

return True

else:

return False

print is\_palindrome(*"acbca"*)

print is\_palindrome(*"TacoNguyen"*)

# Cau 6

def **count\_num\_chars**(s):

s = set(s)

return len(s)

print count\_num\_chars(*"TacoNguyen\_aoaoaoaoaoaoaaoaoaonununununun"*)

# Cau 7

def **is\_end\_string**(s, sub\_str):

if s[len(s)-len(sub\_str):] == sub\_str:

return True

else:

return False

print is\_end\_string(*"12345"*, *"45"*)

# Cau 8

def **count\_stdio**(s):

count = 0

for i in range(len(s) - 5):

if s[i:i+5] == *"stdio"*:

i = i + 5

count = count + 1

return count

print count\_stdio(*"stdio.h"*)

print count\_stdio(*"iostream"*)

print count\_stdio(*"| stdio commonity | stdio straining| it-the firt step |"*)

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