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#!/usr/bin/env python
# coding: utf-8

# In[10]:

def multiply(x,y,z):
    s=(x+y+z)
multiply(1,2,3)
print(multiply)

# In[12]:

def sum(x,y,z):
    s=(x+y+z)
    return s
total=sum(10,20,30)
print(total)

# In[23]:

#Armstrong Number
n=899
sum=0
order=len(str(n))
copy_n=n
while(n>0):
    digit = n%10
    sum += digit**order
    n=n//10

if (sum==copy_n):
    print('This is armstrong number')
else:
    print('This is not armstrong number')

# In[28]:

import math
def Perfectsquare(x):
    s=int(math.sqrt(x))
    return s*s==x

n=int(input("enter a number:"))
result1 = 5*(n*n)+4
result2 = 5*(n*n)-4

if Perfectsquare(result1) or Perfectsquare(result2):
    print(n,"is fibonacci number")
else:
    print(n,"is not fibonacci number")

# In[ ]:

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