第一題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:16:57 2020

@author: danny

"""

n=int(input('輸入正整數:'))

ans=0

for i in range(1,n+1):

ans=i\*i+ans

print(ans)

第二題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:17:54 2020

@author: danny

"""

for i in range(1,1001):

if(i%2):

if(i%3):

print(i)

第三題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:18:08 2020

@author: danny

"""

i=0

ans=0

while ans<1000:

i=i+1

ans+=i\*i

print(i)

第四題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:19:00 2020

@author: danny

"""

m=int(input('輸入整數m:'))#輸入一個整數m行

n=int(input('輸入整數n:'))#輸入一個整數n行

ch=input('要顯示的字元:')#詩入藥顯示的字元

for i in range(n):

for j in range(m):

print(ch,end='')

print()#每m個跳行

第五題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:26:27 2020

@author: danny

"""

import random

def lotto(n,m):

nums=[]

for i in range(m):

nums.append(random.randint(1,n))

return nums

第六題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:36:56 2020

@author: danny

"""

import exlotto as lot#載入自建函數

def bubble(nums):#氣泡排序

for i in range(len(nums)):

for j in range(i,len(nums)):

if(nums[i]>nums[j]):

temp=nums[i]

nums[i]=nums[j]

nums[j]=temp

return nums

nums=lot.lotto(48,5)

nums=bubble(nums)

print(nums)

第七題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 09:48:42 2020

@author: danny

"""

class Shape:

def \_\_init\_\_(self,name,len):

self.name=name

self.len=len

def length(self):

return

class Tri(Shape):

def display(self):

round=0

print(self.name,end=' ')

for i in self.len:

round+=i

print('周常為:',round)

s1=Tri('三角形',[10,5,4])

s1.display()

第八題

# -\*- coding: utf-8 -\*-

"""

Created on Tue Oct 13 10:23:26 2020

@author: danny

"""

class Shape:

def \_\_init\_\_(self,name,len):

self.name=name

self.len=len

def length(self):

return self.round

class Tri(Shape):

def display(self):

self.round=0

print(self.name,end=' ')

for i in self.len:

self.round+=i

print('周常為:',self.round)

class Rec(Shape):

def display(self):

self.round=0

print(self.name,end=' ')

self.round=(self.len[0]+self.len[1])\*2

print('周常為:',self.round)

class Cir(Shape):

def display(self):

self.round=0

print(self.name,end=' ')

self.round=3.14\*self.len\*self.len

print('周常為:',self.round)

s1=Tri('三角形',[10,5,4])

s1.display()

print(s1.length())

s2=Rec('長方形',[10,5])

s2.display()

print(s2.length())

s3=Cir('circle',5)

s3.display()

print(s3.length())