Python实验报告1

**实验目的：**了解python语言，熟悉课程所使用的python语言开发环境

**实验要求：**能编程，运行给定代码，熟悉掌握集成开发环境

**课程实验代码**

**1.1字符串的拼接**

n = input("请输入整数N: ")

sum = 0

for i in range(int(n)):

sum += i + 1

print("1 到N 求和结果: ", sum)

**1.2整数序列求和。从1到N**

n = input("请输入整数N: ")

sum = 0

for i in range(int(n)):

sum += i + 1

print("1 到N 求和结果: ", sum)

**1.3九九乘法口诀表输出**

for i in range(1,10):

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

print("{}\*{}={:2} ".format(j,i,i\*j),end='')

print('')

**1.4计算1+2！+3！+…………+10!**

sum,tmp = 0,1

for i in range(1,11):

tmp\*=i

sum+=tmp

print("运算结果是：{}".format(sum))

**1.5猴子吃桃问题**

n = 1

for i in range(4,0,-1):

n = (n+1)<<1

print(n)

**1.6健康食谱输出。**

diet = ['西红柿','花椰菜','黄瓜','牛排','虾仁']

for x in range(0,5):

for y in range(0,5):

if not(x==y):

print("{}{}".format(diet[x],diet[y]))

**1.7五角星的绘制**

from turtle import \*

fillcolor("red")

begin\_fill()

while True:

forward(200)

right(144)

if abs(pos()) < 1:

break

end\_fill()

**1.8太阳花的绘制**

from turtle import \*

color('red','yellow')

begin\_fill()

while True:

forward(200)

left(170)

if abs(pos()) < 1:

break

end\_fill()

done()