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()**