作业参考

1、求100内奇数和

```
total = 0
for i in range(1, 100, 2):
    total += i
print(total)

# 内建函数sum
print(sum(range(1, 100, 2)))
```

2、求100内斐波那契数列

```
a = 0 # f(0)
b = 1 # f(1)
while True:
    print(b)
    #a, b = b, a + b
    x = a + b
    a = b
    b = x
    if b >= 100:
        break
```

3、求斐波那契数列第101项

```
a = 0 # f(0)
b = 1 # f(1)
count = 1
while True:
    print(count, b)
    a, b = b, a + b
    if count >= 101:
        break
    count += 1
```

4、打印菱形

方法一、补空格

序号	前空格	星数	后空格
0	3	1	3
1	2	3	2
2	1	5	1
3	0	7	0
4	1	5	1
5	2	3	2
6	3	1	3

```
n = 7
e = n // 2
for i in range(-e, e + 1):
    print(' ' * abs(i), '*' * (n - 2 * abs(i)), sep='')
```

方法二、字符串居中

```
n = 7
e = n // 2
for i in range(-e, n - e):
    print("{:^{}}".format("*" * (n - 2 * abs(i)), n))
```