

python 序列化模块 和 包 以及异常

```
1 """
2 序列化模块
3 参考博客: https://www.cnblogs.com/MnCu8261/p/5539254.html
4 对象从内存中变成可存储或传输的过程称之为序列化
5 """
6
7 # 序列化有2个模块 一个是pickle 还有一个是json
8
9 import pickle
10 import json
11
12 # pickle模块提供了四个功能: dumps、dump、loads、load。
13
14 #dumps和dump都是进行序列化, 而loads和load则是反序列化。
15
16 d = [1,2,3,4]
17 s = pickle.dumps(d)
18 print(s)
19
20
21 with open('a.txt','wb') as f:
22     pickle.dump(d, f)
23 with open('a.txt','rb') as f1:
24     print(f1.read())
25
26 d1 = [1,2,3,4]
27 r = pickle.dumps(d1)
28 print(pickle.loads(r))
29
30 with open('a.txt','rb') as f2:
31     print(pickle.load(f2))
32
33 """
34 json模块
35 """
36 a = [1,2,3,4]
37 j = json.dumps(d)
38 print(j)
39
40 a1 = {'name': 'wwj', 'age': 18}
41 j1 = json.dumps(a1)
42 print(j1)
43
44 print(type(j), type(j1))
45
46
47 """
48 包的导入和异常包括自定义异常'
49 参考博客: https://blog.csdn.net/shuzhikang/article/details/81592899
```

