

python - 作业 3

沈宇昊

兰州理工大学

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5-1.py
8 # 字典dicTXL和dicOther分别存储小明的通讯录和交友通讯录信息，通讯录中包括姓名、手机号和QQ号信息
7 dicTXL = {'小新': ['13913000001', '18181220001'],
6         '小美': ['13913000002', '18191220002'],
5         '小刚': ['13913000003', '18191220003']}
4 dicOther = {'大刘': ['13914000001', '18191230001'],
3           '大王': ['13914000002', '18191230002'],
2           '大强': ['13914000003', '18191230003']}
1 # 将字典dicOther合并到字典dicTXL中
9 dicTXL = dict(dicTXL, **dicOther)
1 print(dicTXL)
2
3 # dicWX字典存储同学的微信号
4 dicWX = {'小新': 'xx9907',
5         '小刚': 'gang1004',
6         '大王': 'jack_w',
7         '大刘': 'liu666'}
8 # 将微信号添加至字典dicTXL中
9 for dicTXL_k, dicTXL_v in dicTXL.items():
10     if dicTXL_k in dicWX:
11         # dicTXL.update(dicWX)
12         dicTXL_v.append(dicWX[dicTXL_k])
13     else:
14         dicTXL_v.append(dicTXL_v[0])
15 print(dicTXL)
```

NORMAL 作业 3/5-1.py utf-8 python 37% 9:1

[py] 0:nv1m* "nv1 ~/Downloads/pyth " 06:54 31-May-23

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fish
13 Welcome to fish, the friendly interactive shell
12 Type help for instructions on how to use fish
11 syh@WYCTSTF:~$ cd /D/pythonProject/
10 ~/D/pythonProject: cd 作业3/ (base)
9 syh@WYCTSTF:~$ cd /D/p/作业3: py 3-1.py (base)
8 ~/D/p/作业3: py 3-1.py
7 {'小新': ['13913000001'], '小亮': ['13913000002'], '小刚': ['13913000003'],
6 '18191220003'], '大刘': ['13914000001'], '大王': ['13914000002'], '大张': ['
5 '13914000003'], '18191230003']}
4 {'小新': ['13913000001'], '18181220001', 'xx9907'], '小亮': ['13913000002'], '18191220002', '13913000002'],
3 '小刚': ['13913000003'], '18191220003', 'gang1004'], '大刘': ['13914000001', '18191230001', 'liu666'],
2 '大王': ['13914000002', '18191230002', 'jack_w'], '大张': ['13914000003', '18191230003', '13914000003']}
1 syh@WYCTSTF:~$ cd /D/p/作业3: (base)
14 ~/D/p/作业3:
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TERMINAL term: ///Downloads/pythonProject//49698:/opt/homebrew/bin/fish [-] 35% 14:16
:terminal
[py] @:nvml "nvml ~/Downloads/pyth " 07:08 31-May-23
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5-1.py      × |      5-2.py      ×
1 dic_score = {'012': [90, 94, 85, 54, 68, 75, 71, 21],
2             '005': [8, 75, 21, 65, 89, 97, 25, 75],
3             '108': [87, 54, 78, 25, 14, 98, 67, 57],
4             '037': [45, 87, 54, 82, 95, 91, 57, 32],
5             '066': [95, 67, 51, 48, 98, 92, 80, 39],
6             '020': [85, 81, 65, 97, 35, 62, 71, 84]}
6 print(dic_score)
7 dic_avg = {} # 存放平均分
8 for k, v in dic_score.items():
9     v_min = min(v) # 求最低分
10    v_max = max(v) # 求最高分
11    v_sum = sum(v) # 求总分
12    v_sum = v_sum - v_max - v_min # 从总分中去掉最大值和最小值
13    v_avg = v_sum / (len(v) - 2) # 求平均分
14
15    dic_avg[k] = v_avg # 将参赛者编号和平均值存入字典dic_avg中
16
17 print(dic_avg)
18 # 按照平均分由大到小排序
19 lt_avg = [(v, k) for k, v in dic_avg.items()]
20 lt_avg.sort(reverse=True)
21 print(lt_avg)
22 lt_avg = [(v, k) for k, v in lt_avg]
23 dic_avg = dict(lt_avg)
24 print(dic_avg)
25 # 输出结果
26 for k, v in dic_avg.items():
27     print(k, v)
```

NORMAL 作业 3/5-2.py

utf-8 < 编辑 < python Top 1:1

[py] 0:nvim*

"nvim ~/Downloads/pyth " 06:54 31-May-23

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1 one = {"李雷", "张玉", "王小刚", "陈红静", "方向", "司马清"}
1 two = {"施然", "李芳芳", "刘通", "孙一", "方向", "黄煌"}
2 three = {"陈红静", "方向", "刘培良", "张玉", "施小冉", "司马清"}
3
4 n = 25
5 # print(one | two | three)
6 print("没有选课的人数为:", n - len(one | two | three))
7 print("同时选修了2门课的人数为:", len(one & two - three) + len(two & three - one) + len(three & one - two))
8 print("同时选修了3门课的人数为:", len(one & two & three))
9 print("只选修了1门课的人数为:", len(one - two - three) + len(two - three - one) + len(three - one - two))

```

```
fish
7 syh@WYCTSTF: ~$ python3 5-3.py
6 ~D/p/作业3: py 5-3.py (base)
5 没有选课的人数为: 12
4 同时选修了2门课的人数为: 3
3 同时选修了3门课的人数为: 1
2 只选修了1门课的人数为: 9
1 syh@WYCTSTF: ~$ python3 5-3.py (base)
0 ~D/p/作业3:
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TERMINAL term:///Downloads/pythonProject//49698:/opt/homebrew/bin/fish [-] 20% 8:16
terminal
[py] 0:nvim "nvim ~/Downloads/pyth " 07:08 31-May-23
```