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Final Assignment Report

JILIN UNIVERSITY OF FINANCE AND ECONOMICS

Department of College of Managment Science and Information Engineering

BSc in Data Science and Big Data Technology

(2021)

Final Assignment: Part 02

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MODULE: Data Mining

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In [1]:

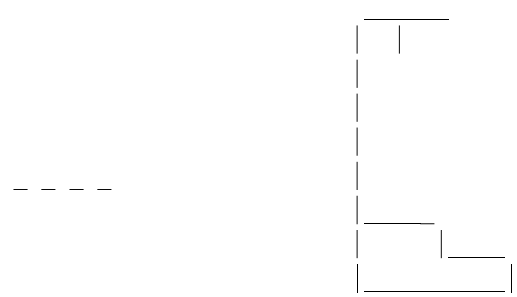
```
# coding=GBK
from random import randint
from datetime import datetime


# 返回程序要打印的绞架台和单词， 打印功能
def fh_sr(int1, data_sr):
    int2 = 25
    data_sr1 = ''
    for i in data_sr:
        data_sr1 += i + ' '
    if len(data_sr1) < int2:
        data_sr1 += ' '*(int2 - len(data_sr1) - 1)

    str1 = '''
                          _____
                         |     |
                         |
                         |
                         |
    {}|
                         |_____
                         |     |____
                         |__________|
    '''.format(data_sr1)
    str2 = '''
                          _____
                         |     |
                         |     0
                         |
                         |
    {}|
                         |_____
                         |     |____
                         |__________|
    '''.format(data_sr1)
    str3 = '''
                          _____
                         |     |
                         |     0
                         |    /
                         |
    {}|
                         |_____
                         |     |____
                         |__________|
    '''.format(data_sr1)

    str4 = '''
                          _____
                         |     |
                         |     0
                         |    /|
                         |     |
    {}|
                         |_____
                         |     |____
```

```
                        |_________|
    '''.format(data_sr1)

    str5 = '''
                         _____
                        |   |
                        |   0
                        |  /|\\
                        |   |
    {}|
                        |_____
                        |     |___
                        |_________|
    '''.format(data_sr1)

    str6 = '''
                         _____
                        |   |
                        |   0
                        |  /|\\
                        |   |
    {}| /
                        |_____
                        |     |___
                        |_________|
    '''.format(data_sr1)

    str7 = '''
                         _____
                        |   |
                        |   0
                        |  /|\\
                        |   |
    {}| / \\
                        |_____
                        |     |___
                        |_________|
    '''.format(data_sr1)

    return locals()['str{}'.format(int1)]


# 主程序
if input('输入任何字符开始，否则程序结束\n：'):

    while True:
        # 读取单词
        with open('words.txt') as f:
            data = f.readline().split()

        # 处理要猜测的单词
        tar_sr = data[randint(0, len(data) - 1)].lower()
        print(tar_sr, '测试所用')

        # 复制单词做备用
        tar_sr_c = tar_sr

        fdt_lt1_sr = []
        fdt_lt1 = []
        tar_sr2 = '_'*len(tar_sr)
```

```
        # 规定可以错几次
        fdt_num = 6
        number2 = 0
        while True:
            # 退出循环条件
            if tar_sr2 == tar_sr or number2 == fdt_num:
                print('错误次数：', number2)
                print(fh_sr(number2 + 1, tar_sr2))
                break

            print('错误次数：', number2)
            print(fh_sr(number2 + 1, tar_sr2))
            print()
            w_sr1 = input('输入你的猜测：').lower()
            fdt_lt1_sr.append(w_sr1)
            print('\n\n\n')

            if w_sr1 in tar_sr and w_sr1 not in fdt_lt1:
                print('恭喜你，回答正确。')
                w_it = tar_sr.find(w_sr1, 0)
                w_lt1 = [w_it]

                w_it1 = w_it
                while True:
                    w_it2 = tar_sr.find(w_sr1, w_it1 + 1)
                    if w_it2 == -1:
                        break
                    else:
                        w_lt1.append(w_it2)
                        w_it1 = w_it2

                for i in w_lt1:
                    if i == 0:
                        tar_sr2 = w_sr1 + tar_sr2[1:]
                    elif i == len(tar_sr):
                        tar_sr2 = tar_sr2[:-1] + w_sr1
                    else:
                        tar_sr2 = tar_sr2[:i] + w_sr1 + tar_sr2[i + 1:]
                fdt_lt1.append(w_sr1)
            # 对输入有误做处理
            elif w_sr1 in fdt_lt1:
                print('回答重复！！！')
            else:
                print('回答错误！！！')
                number2 += 1

        if tar_sr2 != tar_sr:
            print('非常抱歉！你输了。。。正确单词是{}'.format(tar_sr), end='')
        else:
            print('恭喜你！你赢了', end='')

        if not input(', 还要再来吗？(输入任何字符继续，否则程序结束)\n：'):
            print('\n\n\n\n')
            break

print('游戏结束，谢谢游玩')
```

```
输入任何字符开始，否则程序结束
：p
```

```
wolf 测试所用
错误次数： 0
```



```
输入你的猜测：pa
```

In [ ]: