**Python语言程序设计基础实验报告（十）**

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**一、实验名称**： 计算机程序设计

**二、实验题目：**

**1、ex7-1 源文件改写**

**2、ex7-5 制作英文学习字典**

**三、算法实现：**

**1、**

**import keyword**

**kws = keyword.kwlist**

**file = input("读取的文件：")**

**fr = open(file,'r',encoding='utf-8')**

**wline = ''**

**for line in fr:**

**wline += '\n'**

**if 'import' in line:**

**wline += line**

**else:**

**j = 0**

**while line[j] == ' ':**

**wline += ' '**

**j += 1**

**sline = line.split()**

**for w in sline:**

**if w in kws:**

**wline += w**

**elif '.' in w: #包含.操作符**

**wline += w**

**elif '(' in w:#没有.操作符，但是函数调用**

**wline += w**

**else:**

**wline += w.upper()**

**wline += ' '**

**fr.close()**

**fw = open(file,'w',encoding='utf-8')**

**fw.write(wline)**

**fw.close()**

**2、**

**import os**

**import random**

**def userOperateInterface():**

**print("\n请选择词典功能")**

**print("i：添加单词")**

**print("s：查询单词")**

**print("e：单词考试")**

**print("Q：退出词典")**

**print("请选择功能：")**

**return input()**

**def addWord(wordDict:dict,fileName):**

**str = input("您输入要加入的单词：")**

**if str in wordDict.keys():**

**print("该单词已添加到字典库\n")**

**else:**

**t = input("请输入此单词的中文释义：")**

**wordDict[str] = t**

**with open(fileName, 'a') as fw:**

**fw.write(str + " " + t + '\n')**

**def selectWord(wordDict:dict):**

**str = input("请输入您要查询的单词：")**

**if str not in wordDict.keys():**

**print("字典库中未找到这个单词\n")**

**else:**

**print(wordDict[str])**

**def testword(wordDict:dict):**

**wordlist = wordDict.keys()**

**t1 = random.sample(wordlist,5)**

**c = 0**

**for w in t1:**

**print("请输入单词{}的中文释义".format(w))**

**e = input()**

**if e in wordDict[w]:**

**c += 1**

**print("right")**

**else:**

**print("error")**

**print("您总共答对{}题".format(c))**

**def main():**

**wordDict = {}**

**if os.path.exists("dict.txt"):**

**with open("dict.txt", 'r') as fr:**

**for ln in fr:**

**s = ln.split(" ")**

**wordDict[s[0]] = s[1]**

**else:**

**fw = open("dict.txt",'w')**

**fw.close()**

**print("\*\*\*\*\*\*欢迎使用简明英汉词典\*\*\*\*\*\*")**

**while True:**

**op = userOperateInterface()**

**if op == 'i':**

**addWord(wordDict, 'dict.txt')**

**elif op == 's':**

**selectWord(wordDict)**

**elif op == 'e':**

**testword(wordDict)**

**elif op == 'Q':**

**break**

**else:**

**print("输入有误\n")**

**main()**

**五、自我反思：**

**对字典的用法有了更深的了解，自身还是缺乏练习，勤能补拙，一定要加强自己的思考问题的能力，学着模块化解决问题。**