

```
In [9]: 1 from pprint import pprint
2 dic={}
3 r = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/class_sc
4 w = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/scores2
5 for line in r:
6     ls=line.split()
7     dic[ls[0]]=ls[1]
8 pprint(dic)
9 print("\n")
10 dic2={k:str(int(v)+5) for k,v in dic.items()}
11 for i in dic2.items():
12     print(i,file=w)
13 pprint(dic2)
14 r.close()
15 w.close()
```

```
{'AJackson': '77',
'GWashington': '83',
'JAdams': '86',
'JKPolk': '91',
'JMadison': '97',
'JMonroe': '67',
'JQAdams': '92',
'MVanBuren': '61',
'TJefferson': '79'}
```

```
{'AJackson': '82',
'GWashington': '88',
'JAdams': '91',
'JKPolk': '96',
'JMadison': '102',
'JMonroe': '72',
'JQAdams': '97',
'MVanBuren': '66',
'TJefferson': '84'}
```

```
In [8]: 1 from pprint import pprint
2 dic={}
3 count=0
4 r = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/grades.
5 for line in r:
6     ls=line.split()
7     dic[ls[0]]=ls[1],ls[2],ls[3]]
8 pprint(dic)
9 print("\n")
10 for s in dic.values():
11     flag=1
12     for i in s:
13         if int(i)<70:
14             flag=0
15     if flag==1:
16         count+=1
17 print("Number of students who passed all three tests: ",count)
18 r.close()
```

```
{'AJackson': ['77', '99', '56'],
'GWashington': ['83', '77', '54'],
'JAdams': ['86', '69', '90'],
'JKPolk': ['91', '98', '39'],
'JMadison': ['97', '99', '87'],
'JMonroe': ['67', '38', '90'],
'JQAdams': ['92', '18', '49'],
'MVanBuren': ['61', '78', '98'],
'TJefferson': ['79', '57', '99']}
```

Number of students who passed all three tests: 1

In [10]:

```
1 from pprint import pprint
2 l=[]
3 r = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/students
4 w = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/students
5 for line in r:
6     l.append(line.strip().split("\t"))
7 pprint(l)
8 print("\n")
9 l = [[item[0].title(), item[1], "301-" + item[2].strip()] for item in l]
10 for i in l:
11     print(i,file=w)
12 pprint(l)
13 r.close()
14 w.close()
```

```
[['walter melon', 'melon@email.msmary.edu', '447-3141'],
 ['warren piece', 'piece@email.msmary.edu', '447-5926'],
 ['winnie bago', 'bago@email.msmary.edu', '447-5358'],
 ['telly vision', 'vision@email.msmary.edu', '447-9793'],
 ['shirley knot', 'knot@email.msmary.edu', '447-2384']]
```

```
[['Walter Melon', 'melon@email.msmary.edu', '301-447-3141'],
 ['Warren Piece', 'piece@email.msmary.edu', '301-447-5926'],
 ['Winnie Bago', 'bago@email.msmary.edu', '301-447-5358'],
 ['Telly Vision', 'vision@email.msmary.edu', '301-447-9793'],
 ['Shirley Knot', 'knot@email.msmary.edu', '301-447-2384']]
```

In [13]:

```
1 from pprint import pprint
2 dic={}
3 count=0
4 r = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/basebal
5 for line in r:
6     line=line.strip()
7     ls=line.split("\t")
8     dic[ls[0]]=ls[1:]
9     for k,v in dic.items():
10         if len(v) > 0 and int(v[5]) >= 20 and int(v[9]) >= 20:
11             print(k)
12             count+=1
13 print("\n")
14 print("Total Count: ",count)
15 r.close()
```

```
Ichiro Suzuki
Derek Jeter
Michael Young
Rickie Weeks
Miguel Tejada
Marco Scutaro
Nick Markakis
Denard Span
Robinson Cano
Brandon Phillips
Ryan Braun
Austin Jackson
Howie Kendrick
Hunter Pence
Chase Headley
Casey McGehee
Michael Cuddyer
Carlos Lee
Chone Figgins
Matt Kemp
```

In [23]:

```
1 from pprint import pprint
2 from string import punctuation
3
4 dic={}
5 dic3={}
6 l=[]
7 r = open("//Users/JOSH/Desktop/Math 4332 (Python)/3. HW/HW9/HW9txtFiles/wordlis
8 for line in r:
9     dic2={}
10    oline=line
11    line=line.strip()
12    line=line.lower()
13    for char in punctuation:
14        line=line.replace(char,"")
15    for c in line:
16        dic2[c]=line.count(c)
17    dic[oline]=dic2
18
19 word = input("Enter a string: ").lower()
20 for c in word:
21     if c not in dic3:
22         dic3[c]=word.count(c)
23 print("\n")
24
25 for k,v in dic.items():
26     if v==dic3:
27         print(k)
```

Enter a string: astro

roast

sorta

In []: 1