Prac05：

state\_names.py

*"""  
CP1404/CP5632 Practical  
State names in a dictionary  
File needs reformatting  
"""  
  
# TODO: Reformat this file so the dictionary code follows PEP 8 convention*CODE\_TO\_NAME = {**"QLD"**: **"Queensland"**, **"NSW"**: **"New South Wales"**, **"NT"**: **"Northern Territory"**, **"WA"**: **"Western Australia"**,  
 **"ACT"**: **"Australian Capital Territory"**, **"VIC"**: **"Victoria"**, **"TAS"**: **"Tasmania"**}  
print(CODE\_TO\_NAME)  
  
state\_code = input(**"Enter short state: "**).upper()  
while state\_code != **""**:  
 if state\_code in CODE\_TO\_NAME:  
 print(state\_code, **"is"**, CODE\_TO\_NAME[state\_code])  
 else:  
 print(**"Invalid short state"**)  
 state\_code = input(**"Enter short state: "**)  
  
for key in CODE\_TO\_NAME:  
 print(**'{:<3} is {}'**.format(key, CODE\_TO\_NAME[key]))

hex\_colours.py

code\_to\_color = {**'antiquewhite'**: **'#faebd7'**, **'coral'**: **'#ff7f50'**, **'cornflowerblue'**: **'#6495ed'**, **'darkkhaki'**: **'#bdb76b'**,  
 **'gainsboro'**: **'#dcdcdc'**, **'lavender'**: **'#e6e6fa'**, **'light'**: **'#eedd82'**, **'lightblue'**: **'#add8e6'**,  
 **'mintcream'**: **'#f5fffa'**, **'pale'**: **'#db7093'**}  
code = input(**'Enter color name: '**).lower()  
while code != **''**:  
 if code in code\_to\_color:  
 print(code\_to\_color[code])  
 else:  
 print(**'Invalid color name'**)  
 code = input(**'Enter color name: '**).lower()

word\_occurrences.py

text = input(**'Text: '**)  
word\_to\_number = {}  
word\_list = text.split()  
for word in word\_list:  
 if word not in word\_to\_number:  
 word\_to\_number[word] = 1  
 else:  
 word\_to\_number[word] += 1  
sorted(word\_to\_number, key=lambda d:d[0])  
length = 0  
for key in word\_to\_number:  
 if len(key) > length:  
 length = len(key)  
for key, value in word\_to\_number.items():  
 print(**'{:{}} : {}'**.format(key, length, value))

emails.py

def get\_name():  
 email\_dict = {}  
 while True:  
 email=input(**'Email: '**)  
 if email==**''**:  
 print(**''**)  
 break  
 list=email.split(**'@'**)  
 name=list[0].replace(**'.'**, **' '**).title()  
 choice=input(**'Is your name {}? (Y/n)'**.format(name)).lower()  
 if choice==**'n'** or choice==**'no'**:  
 name=input(**'Name: '**)  
 email\_dict[email]=name.title()  
 for key, value in email\_dict.items():  
 print(**'{} ({})'**.format(value, key))  
  
def main():  
 get\_name()  
main()