#1  
*'''  
bands = {'Pantera', 'Asking Alexandria', 'PsyOpus', 'The Dillinger Escape Plan', 'Stray From the Path'}  
print(bands)  
'''*#2  
'''  
person = {  
 'first\_name': 'Almas',  
 'last\_name': 'Konsbayev',  
 'weight': 54,  
 'height': 170,  
 'favorite color': 'black',  
 }  
  
print(person['first\_name'])  
print(person['last\_name'])  
print(person['weight'])  
print(person['height'])  
print(person['favorite color'])  
'''  
  
#3  
'''  
person = {  
 'first\_name': input(str('Enter your first name: ')),  
 'last\_name': input(str('Enter your last name: ')),  
 'weight': input(int('Enter your wight: ')),  
 'height': input(int('Enter your height: ')),  
 'favorite color': input(str('Enter your favorite color: ')),  
 }  
  
print(person['first\_name'])  
print(person['last\_name'])  
print(person['weight'])  
print(person['height'])  
print(person['favorite color'])  
'''  
  
#4  
  
musics = []  
  
music = {  
 'band': 'psyopus',  
 'album': 'odd senses',  
 'track': 'The Burning halo',  
 'year': 2009,  
}  
musics.append(music)  
  
music = {  
 'band': 'psyopus',  
 'album': 'odd senses',  
 'track': 'boogeyman',  
 'year': 2009,  
}  
musics.append(music)  
  
music = {  
 'band': 'psyopus',  
 'album': 'odd senses',  
 'track': 'x and y',  
 'year': 2009,  
}  
musics.append(music)  
  
  
music = {  
 'band': 'psyopus',  
 'album': 'odd senses',  
 'track': 'medusa',  
 'year': 2009,  
}  
musics.append(music)  
  
music = {  
 'band': 'asking alexandria',  
 'album': 'stand up and sscream',  
 'track': 'a prophecy',  
 'year': 2009,  
}  
musics.append(music)  
  
music = {  
 'band': 'asking alexandria',  
 'album': 'reckless and relentless',  
 'track': 'another bottle down',  
 'year': 2011,  
}  
musics.append(music)  
  
music = {  
 'band': 'asking alexandria',  
 'album': 'the black',  
 'track': 'i wont give in',  
 'year': 2016,  
}  
musics.append(music)  
  
music = {  
 'band': 'asking alexandria',  
 'album': 'from death to destiny',  
 'track': 'poison',  
 'year': 2013,  
}  
musics.append(music)  
  
music = {  
 'band': 'pantera',  
 'album': 'Vulgar Display of Power',  
 'track': 'walk',  
 'year': 1992,  
}  
musics.append(music)  
  
a = input(str('Enter a band name: '))  
  
for music in musics:  
 if a == music['band']:  
 print('Band name: '+ music['track'])  
 print('Album: ' + music['album'])  
 print(music['year'])  
 print(' ')  
  
# 5  
'''  
from collections import Counter  
from functools import reduce  
dict\_1 = {1: 12, 2: 33, 3: 10, 4: 10, 5: 2, 6: 90}  
dict\_2 = {1: 12, 3: 7, 4: 1, 5: 2, 7: 112}  
dict\_3 = {2: 3, 3: 3, 4: 60, 6: 8, 7: 25, 8: 71}  
dict\_4 = {3: 1, 4: 13, 5: 31, 9: 9, 10: 556}  
  
  
def sum\_dct(\*dicts):  
 return dict(reduce(lambda a, b: Counter(a) + Counter(b), dicts))  
  
def max\_dct(\*dicts):  
 return dict(reduce(lambda a, b: Counter(a) | Counter(b), dicts))  
  
print(max\_dct(dict\_1, dict\_2))  
print(sum\_dct(dict\_1, dict\_4, dict\_3))  
print(max\_dct(dict\_1, dict\_2, dict\_3, dict\_4))  
print(sum\_dct(dict\_1, dict\_2, dict\_3, dict\_4))  
'''