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In [1]: N = ["Ali Kaild", 11.2, 1879]
N
Out[1]: ['Ali Kaild', 11.2, 1879]
In [2]: print ('the same element using negative and positive indexing: \n postive:', N[0],
        '\n Negative:', N[-3])
        print ('the same element using negative and positive indexing: \n postive:', N[1],
        '\n Negative:', N[-2])
        print ('the same element using negative and positive indexing: \n postive:', N[2],
        '\n Negative:', N[-1])

the same element using negative and positive indexing:
postive: ['Ali Kaild', 11.2, 1879] [0]
Negative: Ali Kaild
the same element using negative and positive indexing:
postive: ['Ali Kaild', 11.2, 1879] [1]
Negative: 11.2
the same element using negative and positive indexing:
postive: ['Ali Kaild', 11.2, 1879] [2]
Negative: 1879
In [3]: ["Ali Kalid", 11.2,1879,[3,4],("B",3)]
Out[3]: ['Ali Kalid', 11.2, 1879, [3, 4], ('B', 3)]
In [4]: N =["Ali Kalid",11.2,1879,"AK",3]
N
Out[4]: ['Ali Kalid', 11.2, 1879, 'AK', 3]
In [5]: N[3:5]
Out[5]: ['AK', 3]
In [6]: N = ["Ali Kalid", 11.3]
        N.extend(['pop',11])
        N
Out[6]: ['Ali Kalid', 11.3, 'pop', 11]
In [7]: N =["Ali Kalid",11.3]
        N.append(['pop',11])
        N
Out[7]: ['Ali Kalid', 11.3, ['pop', 11]]
In [8]: N = ["Ali Kalid", 11.3]
        N.extend(['pop',11])
        N
Out[8]: ['Ali Kalid', 11.3, 'pop', 11]
In [9]: N.append(['a,b'])
        N
Out[9]: ['Ali Kalid', 11.3, 'pop', 11, ['a,b']]
In [10]: A=["diisco", 11,2.1]
        print ('Before change:',A)
        A[0]= 'hard rock'
        print ('After change:',A)

Before change: ['diisco', 11, 2.1]
After change: ['hard rock', 11, 2.1]
In [11]: print ('Before change:',A)
        del (A[0])
        print('After change :',A)

Before change: ['hard rock', 11, 2.1]
After change : [11, 2.1]
In [12]: 'hard rock'.split()
Out[12]: ['hard', 'rock']
In [13]: 'E,Z,R,H'.split(',')
Out[13]: ['E', 'Z', 'R', 'H']
In [14]: E=["hard rock",11,2.1]
        Z=E
        print('E:',E)
        print('Z:',Z)

E: ['hard rock', 11, 2.1]
Z: ['hard rock', 11, 2.1]
In [15]: print('Z[0]:',Z[0])
        E[0]= "Apple"
        print ('Z[0]:',Z[0])

Z[0]: hard rock
Z[0]: Apple
In [16]: Z=E[:]
        Z

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Out[16]:['Apple', 11, 2.1]
In [17]: print('Z[0]:',Z[0])
          E[0]= "hard rock"
          print ('Z[0]:',Z[0])

Z[0]: Apple
Z[0]: Apple
In [18]: Dict = {"key1":1,"key2":2,"key3":[3,3,3],"key4":(4,4,4),('key5'):5,(0,1):6}
          Dict

Out[18]:{'key1': 1,
          'key2': 2,
          'key3': [3, 3, 3],
          'key4': (4, 4, 4),
          'key5': 5,
          (0, 1): 6}

In [19]: Dict["key1"]

Out[19]:1
In [20]: Dict[(0, 1)]

Out[20]:6
In [21]: release_year_dict={"Thriller": "1999", "Back in Black": "1970",\
                             "The Dark Side of the Moon": "1977","The Bodyguard": "1993",\
                             "Bat Out of Hell": "1978", "Their Greatest Hits(1972-1976)": "1997",\
                             "Monday Night Fever": "1976","Rumours": "1976"}
          release_year_dict

Out[21]:{'Thriller': '1999',
          'Back in Black': '1970',
          'The Dark Side of the Moon': '1977',
          'The Bodyguard': '1993',
          'Bat Out of Hell': '1978',
          'Their Greatest Hits(1972-1976)': '1997',
          'Monday Night Fever': '1976',
          'Rumours': '1976'}

In [22]: release_year_dict['Thriller']

Out[22]:'1999'
In [23]: release_year_dict['The Bodyguard']

Out[23]:'1993'
In [24]: release_year_dict.keys()

Out[24]:dict_keys(['Thriller', 'Back in Black', 'The Dark Side of the Moon', 'The Bodyguard', 'Bat Out of Hell', 'Their Greatest Hits(1972-1976)', 'Monday Night F
ever', 'Rumours'])
In [25]: release_year_dict.values()

Out[25]:dict_values(['1999', '1970', '1977', '1993', '1978', '1997', '1976', '1976'])
In [26]: release_year_dict['Graduation'] = '2010'
          release_year_dict

Out[26]:{'Thriller': '1999',
          'Back in Black': '1970',
          'The Dark Side of the Moon': '1977',
          'The Bodyguard': '1993',
          'Bat Out of Hell': '1978',
          'Their Greatest Hits(1972-1976)': '1997',
          'Monday Night Fever': '1976',
          'Rumours': '1976',
          'Graduation': '2010'}

In [27]: del(release_year_dict['Thriller'])
          del(release_year_dict['Graduation'])
          release_year_dict

Out[27]:{'Back in Black': '1970',
          'The Dark Side of the Moon': '1977',
          'The Bodyguard': '1993',
          'Bat Out of Hell': '1978',
          'Their Greatest Hits(1972-1976)': '1997',
          'Monday Night Fever': '1976',
          'Rumours': '1976'}

In [28]: 'The Bodyguard' in release_year_dict

Out[28]:True
In [29]: soundtrack_dic = {"The Bodyguard": "1993", "Monday Night Fever": "1976"}
          soundtrack_dic

Out[29]:{'The Bodyguard': '1993', 'Monday Night Fever': '1976'}
In [ ]:

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