Colecciones

Colección	Sintaxis	Acceso	Mutable	Ordenada
LISTA	L = [1, 2, 'Z']	L[0]	SÍ	SÍ
TUPLA	T = (1, 2, 'Z')	T[1]	NO	SÍ
DICCIONARIO	D = {'A':1, 'B':2, 'C':'Z'}	D['A']	SÍ	NO
SET	S = {1, 2, 'Z'}	NO	SÍ	NO (elementos únicos)

```python
pelis = {'Toy Story':['Aventura','Comedia','Fantasia'],
         'Jumanji':['Aventura','Fantasia'],
         'Sabrina':['Comedia','Drama','Romance'],
         'Casino':['Crimen','Drama']
        }

pelis['Casino'] # ['Crimen', 'Drama']

generos = [] # Lista de géneros (inicialmente vacía)

for clave, valor in pelis.items():
    for gen in valor:
        generos.append(gen)

generos # ['Aventura','Comedia','Fantasia','Aventura','Fantasia','Comedia','Drama','Romance','Crimen','Drama']

# Valores únicos
set(generos) # {'Aventura', 'Comedia', 'Crimen', 'Drama', 'Fantasia', 'Romance'}
```
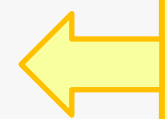
Diccionario de listas

Bucle en diccionarios

Colecciones

Ejemplos de colecciones reales

```
cutoas = {
"group_name_2": "FBSPA Segunda División > Regular Season-19",
"offer_lastupdate": 1567116039,
"ateam_id": 8694,
"hteam_id": 1010,
"source": "ahc",
"match": "Almeria v Huesca",
"match_lastupdate": 1567084019,
"group_name": "FBSPA",
"offer_inrunning": 0,
"ts": 1567116037,
"bookmaker_name": "victor",
"hteam_name_2": "Almeria",
"sport_id": 1,
"match_live": "true",
"price_oh": 2.1100000000000003,
"competition_id": 12,
"match_id": 1676695,
"hteam_name": "Almeria",
"competition_name": "Segunda División",
"bookmaker_id": 22,
"offer_isturn": 0,
"ateam_name": "Huesca",
"match_txid": 5661535,
"offer_ot": "FT - Asian Handicap",
"offer_lineid": 1,
"offer_bmoid": 0,
"offer_ts": 1567116,
"offer_id": 16766950220331,
"score_count": 0,
"league_id": 85189,
"event_type": "compact_price_update",
"price_oa": 1.8,
"ateam_name_2": "Huesca",
"offer_otid": 33,
"_query": "simple",
"match_xsid": 1167403,
"price_type": "normal",
"seq": -1154899510,
"group_name_ch": "\u897f\u73ed\u7259\u4e59\u7d44\u806f\u8cfd",
"status": "real-time",
"match_time": 1567274400,
"league_name": "SPA Segunda Division",
"offer_flags": 1
```

```
airbnb =
{'_id': '10009999',
 'listing_url': 'https://www.airbnb.com/rooms/10009999',
 'name': 'Horto flat with small garden',
 'summary': 'One bedroom + sofa-bed in quiet and bucolic neighbourhood ri
 'space': 'Lovely one bedroom + sofa-bed in the living room, perfect for
 'description': 'One bedroom + sofa-bed in quiet and bucolic neighbourhoo
 'neighborhood_overview': 'This charming ground floor flat is located in
 'notes': 'There´s a table in the living room now, that does not show in
 'transit': 'Easy access to transport (bus, taxi, car) and easy free park
 'property_type': 'Apartment',
 'room_type': 'Entire home/apt',
 'bed_type': 'Real Bed',
 'minimum_nights': '2',
 'maximum_nights': '1125',
 'cancellation_policy': 'flexible',
 'accommodates': 4,
 'bedrooms': 1,
 'beds': 2,
 'number_of_reviews': 0,
 'bathrooms': 1,
 'amenities': ['Wifi',
 'Wheelchair accessible',
 'Kitchen',
 'Free parking on premises',
 'Smoking allowed',
 'Hot tub',
 'Buzzer/wireless intercom',
 'Family/kid friendly',
 'Washer',
 'First aid kit',
 'Essentials',
 'Hangers',
 'Hair dryer',
 'Iron',
 'Laptop friendly workspace'],
 'price': '317.00',
 'host_verifications': ['email', 'phone', 'facebook'],
 'address': {'street': 'Rio de Janeiro, Rio de Janeiro, Brazil',
 'suburb': 'Jardim Botânico',
 'government_area': 'Jardim Botânico',
 'market': 'Rio De Janeiro',
 'country': 'Brazil',
 'country_code': 'BR'}
}
```

```
crypto = [
  {
    "price_close": 131.62,
    "price_high": 131.91,
    "price_low": 130.48,
    "price_open": 130.66,
    "time_close": "2019-01-01 00:59:57.900",
    "time_open": "2019-01-01 00:00:00.375",
    "time_period_end": "2019-01-01 01:00:00.000",
    "time_period_start": "2019-01-01 00:00:00.000",
    "trades_count": 1501,
    "volume_traded": 8127.92426351
  },
  {
    "price_close": 130.79,
    "price_high": 131.62,
    "price_low": 130.77,
    "price_open": 131.58,
    "time_close": "2019-01-01 01:59:37.975",
    "time_open": "2019-01-01 01:00:02.315",
    "time_period_end": "2019-01-01 02:00:00.000",
    "time_period_start": "2019-01-01 01:00:00.000",
    "trades_count": 1323,
    "volume_traded": 3346.56927114
  },
  {
    "price_close": 130.06,
    "price_high": 130.88,
    "price_low": 129.55,
    "price_open": 130.8,
    "time_close": "2019-01-01 02:59:46.621",
    "time_open": "2019-01-01 02:00:06.532",
    "time_period_end": "2019-01-01 03:00:00.000",
    "time_period_start": "2019-01-01 02:00:00.000",
    "trades_count": 1150,
    "volume_traded": 6482.35342142
  }
]
```