

I import Pandas library and imprt Requests and then I made variable response to get URL request.

And in the next step I make dataframe.

```
In [2]: import pandas as pd
import requests
```

```
In [3]: response = requests.get('https://api.chucknorris.io/jokes/search?query=cat')
```

```
In [4]: temp_df = pd.DataFrame([response.json])
temp_df
```

```
Out[4]: 0
0 <bound method Response.json of <Response [200]>>
```

The url contain Jason Data.

```
{
  "total": 162,
  "result": [
    {
      "categories": [
        "celebrity"
      ],
      "created_at": "2020-01-05 13:42:18.823766",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "iDINmgz-RuuY715ky4KIFQ",
      "updated_at": "2020-01-05 13:42:18.823766",
      "url": "https://api.chucknorris.io/jokes/iDINmgz-RuuY715ky4KIFQ",
      "value": "Chuck Norris smoked charlie sheen to get a high, and still couldn't catch a buzz."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:18.823766",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "tng5xz15t9syvqaubukycw",
      "updated_at": "2020-01-05 13:42:18.823766",
      "url": "https://api.chucknorris.io/jokes/tng5xz15t9syvqaubukycw",
      "value": "Chuck Norris always knows the EXACT location of Carmen SanDiego."
    },
    {
      "categories": [
        "animal"
      ],
      "created_at": "2020-01-05 13:42:18.823766",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "6vUvusBeSvQdsU9CS-ZZjw",
      "updated_at": "2020-01-05 13:42:18.823766",
      "url": "https://api.chucknorris.io/jokes/6vUvusBeSvQdsU9CS-ZZjw",
      "value": "Chuck Norris once choked a wildcat to death with his sphincter muscle."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:18.823766",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "hvw5daessqk0n_sczyima",
      "updated_at": "2020-01-05 13:42:18.823766",
      "url": "https://api.chucknorris.io/jokes/hvw5daessqk0n_sczyima",
      "value": "No statement can catch the ChuckNorrisException."
    },
    {
      "categories": [
        "animal"
      ],
      "created_at": "2020-01-05 13:42:19.104863",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "o-vfxwx6rgecu_o_f5cecpq",
      "updated_at": "2020-01-05 13:42:19.104863",
      "url": "https://api.chucknorris.io/jokes/o-vfxwx6rgecu_o_f5cecpq",
      "value": "They say curiosity killed the cat. This is false. Chuck Norris killed the cat. Every single one of them."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.104863",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "J3XlAwSwQBwNlXpFux3bhQ",
      "updated_at": "2020-01-05 13:42:19.104863",
      "url": "https://api.chucknorris.io/jokes/J3XlAwSwQBwNlXpFux3bhQ",
      "value": "There's more than one way to skin a cat. Chuck Norris knows 437 ways to skin a cat and uses a different one every morning."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.104863",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "fmxw1KqSuiFiq6-o0Eb6A",
      "updated_at": "2020-01-05 13:42:19.104863",
      "url": "https://api.chucknorris.io/jokes/fmxw1KqSuiFiq6-o0Eb6A",
      "value": "At some point, you go past \"dangerous\" into \"insane\". Beyond that on the spectrum, you have \"homicidal\", \"a national threat\" and finally a category that experts have simply named, \"Chuck Norris\"."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.104863",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "aAhelImIvCIzNDtLbtwag",
      "updated_at": "2020-01-05 13:42:19.104863",
      "url": "https://api.chucknorris.io/jokes/aAhelImIvCIzNDtLbtwag",
      "value": "Chuck Norris recently submitted a credit application. Under \"occupation\" Chuck simply listed \"Mayhem\"."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.104863",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "rmmckul2t6sottj2rvuuvvg",
      "updated_at": "2020-01-05 13:42:19.104863",
      "url": "https://api.chucknorris.io/jokes/rmmckul2t6sottj2rvuuvvg",
      "value": "Chuck Norris can unit test entire applications with a single assert."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.104863",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "e0hd-z51i2dbuag8p0",
      "updated_at": "2020-01-05 13:42:19.104863",
      "url": "https://api.chucknorris.io/jokes/e0hd-z51i2dbuag8p0",
      "value": "The phrase 'break a leg' was originally coined by Chuck Norris's co-stars in Walker, Texas Ranger as a good luck charm, indicating that a broken leg might be the worst extent of their injuries. This never proved to be the case."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.324003",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "55d0aCZ9T0eJwZ68Jua4vg",
      "updated_at": "2020-01-05 13:42:19.324003",
      "url": "https://api.chucknorris.io/jokes/55d0aCZ9T0eJwZ68Jua4vg",
      "value": "This year's Chuck Norris Super Sunday Super Bowl party was catered by Chick-fil-A and all other party items delivered by Hobby Lobby."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.324003",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "g3pR_qoSQR6Gj55q3etw",
      "updated_at": "2020-01-05 13:42:19.324003",
      "url": "https://api.chucknorris.io/jokes/g3pR_qoSQR6Gj55q3etw",
      "value": "Chuck Norris can catch a fly with his eyelids."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.324003",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "y7_p2-52sc2t7hoihjtwc",
      "updated_at": "2020-01-05 13:42:19.324003",
      "url": "https://api.chucknorris.io/jokes/y7_p2-52sc2t7hoihjtwc",
      "value": "Chuck Norris can write multi-threaded applications with a single thread."
    },
    {
      "categories": [
        "dev"
      ],
      "created_at": "2020-01-05 13:42:19.324003",
      "icon_url": "https://assets.chucknorris.host/img/avatar/chuck-norris.png",
      "id": "ughqstqtaihbknkskaq",
      "updated_at": "2020-01-05 13:42:19.324003",
      "url": "https://api.chucknorris.io/jokes/ughqstqtaihbknkskaq",
      "value": ""
    }
  ]
}
```

I write code to get specific data from Json JS format in dataframe.

```
In [5]: df = pd.DataFrame()
for i in range(50):
    response = requests.get('https://api.chucknorris.io/jokes/search?query=cat')
    temp_df = pd.DataFrame(response.json()[ 'result' ])[[ 'id', 'created_at', 'icon_url', 'updated_at' ]]
    df = df.append(temp_df)
```

And call data frame variable. The data has shown in table form.

```
In [6]: df
Out[6]:
```

	id	created_at	icon_url	updated_at
0	iDINmgz-RuuY715ky4KIFQ	2020-01-05 13:42:18.823766	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:18.823766
1	tng5xz15t9syvqaubukycw	2020-01-05 13:42:18.823766	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:18.823766
2	6vUvusBeSvQdsU9CS-ZZjw	2020-01-05 13:42:18.823766	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:18.823766
3	hvw5daessqk0n_sczyima	2020-01-05 13:42:18.823766	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:18.823766
4	o-vfxwx6rgecu_o_f5cecpq	2020-01-05 13:42:19.104863	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:19.104863
...
157	o16jANnQFaew2tsf5MJ3w	2020-01-05 13:42:30.177068	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:30.177068
158	MuY7ZDrM1mQm6gcfLJtjw	2020-01-05 13:42:30.177068	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:30.177068
159	kSvq4aCoSSSYsUvRnI1DHg	2020-01-05 13:42:30.480041	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:30.480041
160	t1eAZ4vQoQyQtqR2VVSFeg	2020-01-05 13:42:30.480041	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:30.480041
161	hWMIVQ6DRIOU73mbhes-4A	2020-01-05 13:42:30.730109	https://assets.chucknorris.host/img/avatar/chu...	2020-01-05 13:42:30.730109

8100 rows x 4 columns

Assignment 2