Date 07-07-2021

Dash Layouts - Part Two - Styling

In [1]:
```
import plotly.offline as pyo
import plotly.graph_objs as go
import plotly
import dash
import dash_core_components as dcc
import dash_html_components as html
import numpy as np
import pandas as pd

versions_of_modules_used = {dash.__name__ : dash.__version__,
                            dcc.__name__ : dcc.__version__,
                            plotly.__name__ : plotly.__version__,
                            html.__name__ : html.__version__,
                            np.__name__ : np.__version__,
                            pd.__name__ : pd.__version__}

for i, j in versions_of_modules_used.items():
        print(i,"=",j)
```

```
dash = 1.20.0
dash_core_components = 1.16.0
plotly = 5.1.0
dash_html_components = 1.1.3
numpy = 1.19.2
pandas = 1.1.3
```

Module Name	Module Versions
dash	1.20.0
dash_core_components	1.16.0
plotly	5.1.0
dash_html_components	1.1.3
numpy	1.19.2
pandas	1.1.3

In [2]:
```
winter_olympics_2018_data = pd.read_csv("2018WinterOlympics.csv", usecols = ["Total", "NOC"])
winter_olympics_2018_data
```

Out[2]:

	NOC	Total
0	Norway	39
1	Germany	31
2	Canada	29
3	United States	23
4	Netherlands	20
5	Sweden	14
6	Republic of Korea	17
7	Switzerland	15
8	France	15
9	Austria	14
10	Japan	13
11	Italy	10
12	OAR	17
13	Czech Republic	7
14	Belarus	3
15	China	9
16	Slovakia	3
17	Finland	6
18	Great Britain	5
19	Poland	2
20	Hungary	1
21	Ukraine	1
22	Australia	3
23	Slovenia	2
24	Belgium	1
25	Spain	2
26	New Zealand	2
27	Kazakhstan	1
28	Latvia	1
29	Liechtenstein	1

In [3]:
```
colors = dict(background = "#00203FFF", text = "#ADEFD1FF")
# colors["text"]
```

In [4]:
```
heading_style = {'font-size' : '50px',
'line-height' : '40px',
'margin' : '1em 0 .6em 0',
'font-weight' : 'normal',
'color' : 'white',
'font-family' : 'Hammersmith One',
'text-shadow' : '0 1px 0 rgba(0,0,0,0.4)',
'position' : 'relative',
'color' : '#6Cf',
'text-align' : 'center',}
```

In [5]:
```
app = dash.Dash()
app.layout = html.Div(children = [html.H1("I\'m a Heading", style = heading_style),
                                  dcc.Graph(id = "Example",
                                            figure = dict(data = [{'x': winter_olympics_2018_data["NOC"], 'y': winter_olympics_2018_data["Total"], 'type': 'bar', 'name': 'Medals won by diffrent countries in 2018 Winter Olympics'},
                                                                  {'x': winter_olympics_2018_data["NOC"], 'y': winter_olympics_2018_data["Total"], 'type': 'markers', 'name': 'Medals won by diffrent countries in 2018 Winter Olympi
                                                          layout = {'title' : 'Dash Graphs',
                                                                    'plot_bgcolor' : colors['background'],
                                                                    'paper_bgcolor' : colors['background'],
                                                                    'font' : {'color' : colors['text']}})])])

app.run_server()
```

```
Dash is running on http://127.0.0.1:8050/

 * Serving Flask app "__main__" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:8050/ (Press CTRL+C to quit)
```