

Dash Layouts - Part One

```
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

versions_of_modules_used = {dash.__name__ : dash.__version__,
                             dcc.__name__ : dcc.__version__,
                             plotly.__name__ : plotly.__version__,
                             html.__name__ : html.__version__,
                             np.__name__ : np.__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
```

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

```
In [2]: app = dash.Dash()
app.layout = html.Div(children = [html.H1("I\'m a Heading"),
                                 html.Div("This is a Component of WebPage"),
                                 dcc.Graph(id = "Example",
                                           figure = dict(data = [{'x': np.random.randint(150,200,6), 'y': np.random.randint(0,500,6), 'type': 'bar', 'name': 'Graph 1'},
                                                                {'x': np.linspace(149.99,199.99,42), 'y': np.linspace(149.99,500.99,42), 'type': 'markers', 'name': 'Graph 2'},
                                                                {'x': np.random.randint(150,200,6), 'y': np.random.randint(0,500,6), 'type': 'bar', 'name': 'Graph 3'}]),
                                           layout = {'title': 'Dash Graphs'})])

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)
127.0.0.1 - - [07/Jul/2021 13:58:52] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [07/Jul/2021 13:58:53] "GET /_dash-layout HTTP/1.1" 200 -
127.0.0.1 - - [07/Jul/2021 13:58:53] "GET /_dash-dependencies HTTP/1.1" 200 -
```