

# Output of data visualization assignment

In this assignment students have to transform iris data into 3 dimensions and plot a 3d chart with transformed dimensions and colour each data point with specific class.

```
In [1]: import seaborn as sns  
import plotly.express as px
```

```
In [2]: iris = sns.load_dataset("iris")
```

```
In [3]: iris.head()
```

```
Out[3]:
```

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa

```
In [5]: fig = px.scatter_3d(iris, x='sepal_length', y='sepal_width', z='petal_width', color='species')  
fig.show()
```

