

This workshop deals with understanding the working of decision trees.

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[illegible]

- Now let us define the Decision Tree Algorithm

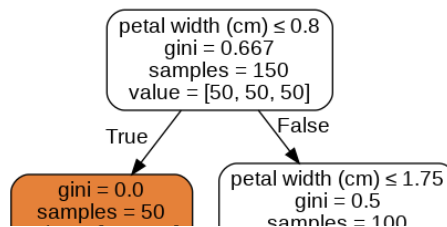
Decision Tree Classifier Created

- Let us visualize the Decision Tree to understand it better.

```
# Install required libraries
!pip install pydotplus
!apt-get install graphviz -y

# Import necessary libraries for graph viz
from sklearn.externals.six import StringIO
from IPython.display import Image
from sklearn.tree import export_graphviz
import pydotplus

# Visualize the graph
dot_data = StringIO()
export_graphviz(dtree, out_file=dot_data, feature_names=iris.feature_names,
                filled=True, rounded=True,
                special_characters=True)
graph = pydotplus.graph_from_dot_data(dot_data.getvalue())
Image(graph.create_png())
```



You can now feed any new/test data to this classifier and it would be able to predict the right class accordingly.

