```
import numpy as np
import pandas as pd
data = pd.read_csv('Kaggle-data.csv')
x = data[['MajorOperatingSystemVersion','MinorOperatingSystemVersion','MajorImageVersion',
'MinorImageVersion','MajorSubsystemVersion','MinorSubsystemVersion']]

y = data['legitimate']
from sklearn.model_selection import train_test_split
X_train,x_test,y_train,y_test=train_test_split(x,y,train_size=0.7,random_state=42)
from sklearn.tree import DecisionTreeClassifier
ML=DecisionTreeClassifier()
ML=ML.fit(X_train,y_train)

y_pred=ML.predict(x_test)
print("Class Predicted: ",y_pred)
from sklearn.metrics import accuracy_score
accuracy = accuracy_score(y_test, y_pred)*100
print("Accuracy = ",accuracy)

import graphviz
from sklearn import tree
dot_data=tree.export_graphviz(ML,feature_names=['MajorOperatingSystemVersion','MinorOperat
'MajorImageVersion','MinorImageVersion','MajorSubsystemVersion','MinorSubsystemVersion'],
     class_names=['0','1'],filled=True,
rounded=False,special_characters=True)

graph=graphviz.Source(dot_data)
graph
graph.render("Graph-Malware")
```

```
/usr/local/lib/python3.7/dist-packages/IPython/core/interactiveshell.py:2718: DtypeWa
  interactivity=interactivity, compiler=compiler, result=result)
Class Predicted:  [0 0 1 ... 1 0 0]
Accuracy =  89.8437740732752
'Graph-Malware.pdf'
```

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