This NextRev exercise examines the output of the auth.txt.gz file and creates and evaluates a binary classification.

In [9]:
```python
# Dependencies and Setup
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt

# File to Load
file_to_load = "Resources/auth.csv"

# Read auth file and store into Pandas data frome
auth_data = pd.read_csv(file_to_load)

# Show data
auth_data.head(10)
```

Out[9]:

	1	ANONYMOUS LOGON@C586	ANONYMOUS LOGON@C586.1	C1250	C586	NTLM	Network	LogOn	Success
0	1	ANONYMOUS LOGON@C586	ANONYMOUS LOGON@C586	C586	C586	?	Network	LogOff	Success
1	1	C101$@DOM1	C101$@DOM1	C988	C988	?	Network	LogOff	Success
2	1	C1020$@DOM1	SYSTEM@C1020	C1020	C1020	Negotiate	Service	LogOn	Success
3	1	C1021$@DOM1	C1021$@DOM1	C1021	C625	Kerberos	Network	LogOn	Success
4	1	C1035$@DOM1	C1035$@DOM1	C1035	C586	Kerberos	Network	LogOn	Success
5	1	C1035$@DOM1	C1035$@DOM1	C586	C586	?	Network	LogOff	Success
6	1	C1069$@DOM1	SYSTEM@C1069	C1069	C1069	Negotiate	Service	LogOn	Success
7	1	C1085$@DOM1	C1085$@DOM1	C1085	C612	Kerberos	Network	LogOn	Success
8	1	C1085$@DOM1	C1085$@DOM1	C612	C612	?	Network	LogOff	Success
9	1	C1151$@DOM1	SYSTEM@C1151	C1151	C1151	Negotiate	Service	LogOn	Success

In [ ]: