PYTHON ASSESSMENT SOLUTIONS

# Assessment 1: Pandas Analysis (banklist.csv)

1) Import pandas and read the CSV:  
  
import pandas as pd  
banks = pd.read\_csv("banklist.csv")

2) Show the head of the dataframe:  
banks.head()

3) Column names:  
banks.columns

4) Number of states represented:  
banks['ST'].nunique()

5) List of all states:  
banks['ST'].unique()

6) Top 5 states with most failed banks:  
banks['ST'].value\_counts().head(5)

7) Top 5 acquiring institutions:  
banks['Acquiring Institution'].value\_counts().head(5)

8) State Bank of Texas acquisitions and Texas count:  
sbt = banks[banks['Acquiring Institution'] == 'State Bank of Texas']  
total\_acquired = len(sbt)  
in\_texas = len(sbt[sbt['ST'] == 'TX'])

9) Most common city in California for bank failure:  
california = banks[banks['ST'] == 'CA']  
california['City'].value\_counts().idxmax()