**MERGE DATAFRAMES**

**MAKE\_DF**

def make\_df(cols, ind):

"""Quickly make a DataFrame"""

data = {c: [str(c) + str(i) for i in ind]

for c in cols}

return pd.DataFrame(data, ind)

# example DataFrame

make\_df('ABC', range(3))

**DISPLAY**

class display(object):

"""Display HTML representation of multiple objects"""

template = """<div style="float: left; padding: 10px;">

<p style='font-family:"Courier New", Courier, monospace'>{0}</p>{1}

</div>"""

def \_\_init\_\_(self, \*args):

self.args = args

def \_repr\_html\_(self):

return '\n'.join(self.template.format(a, eval(a).\_repr\_html\_())

for a in self.args)

def \_\_repr\_\_(self):

return '\n\n'.join(a + '\n' + repr(eval(a))

for a in self.args)

df1 = pd.DataFrame({'employee': ['Bob', 'Jake', 'Lisa', 'Sue'],'group': ['Accounting', 'Engineering', 'Engineering', 'HR']})

df2 = pd.DataFrame({'employee': ['Lisa', 'Bob', 'Jake', 'Sue'],'hire\_date': [2004, 2008, 2012, 2014]})

df4 = pd.DataFrame({'group': ['Accounting', 'Engineering', 'HR'],'supervisor': ['Carly', 'Guido', 'Steve']})

df5 = pd.DataFrame({'group': ['Accounting', 'Accounting','Engineering', 'Engineering', 'HR', 'HR'],'skills': ['math', 'spreadsheets', 'coding', 'linux', 'spreadsheets', 'organization']})

df3 = pd.DataFrame({'name': ['Bob', 'Jake', 'Lisa', 'Sue'],'salary': [70000, 80000, 120000, 90000]})

df6 = pd.DataFrame({'name': ['Peter', 'Paul', 'Mary'],'food': ['fish', 'beans', 'bread']},columns=['name', 'food'])

df7 = pd.DataFrame({'name': ['Mary', 'Joseph'],

'drink': ['wine', 'beer']},

columns=['name', 'drink'])

df8 = pd.DataFrame({'name': ['Bob', 'Jake', 'Lisa', 'Sue'],'rank': [1, 2, 3, 4]})

df9 = pd.DataFrame({'name': ['Bob', 'Jake', 'Lisa', 'Sue'],'rank': [3, 1, 4, 2]})