**Activity: Practicing Using Tuples**

# TuplePractice.py

#

# @ author: A. N. Other

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bank\_accounts = (("Joe", 33, "234 Great South Road", "022629107"),

                 ("Tama", 6000),

                 ("Suzanne", 21025, "45 Green Lane"),

                 ("Anihera", -75))

print("The number of bank accounts is ", len(bank\_accounts))

# showing names and balances

for i in bank\_accounts:

    print("\nThe name is ", i[0], " and the balance is $", i[1])

# showing only names with addresses

for i in bank\_accounts:

    if len(i)>2:

        print("\nThe name is ", i[0], " and the address is ", i[2])

# show customers with less than $100

low\_balance = 100

for i in bank\_accounts:

    if i[1] < low\_balance:

        print("\nA customer with less than ${0} is {1}".format(

              low\_balance,

              i[0]))

# showing only customers with no phone number or no addresses

for i in bank\_accounts:

    if len(i) <= 2:

        print("\nA customer with either no number or address is ", i[0])

# showing the highest and lowest balances

# get a list of the balances

balances\_list = []

for i in bank\_accounts:

    balances\_list.append(i[1])

print("\nThe highest balance is ${0}.".format(max(balances\_list)))

print("\nThe lowest balance is ${0}.".format(min(balances\_list)))

print("\nThe sum of all balances is ${0}.".format(sum(balances\_list)))

# showing all details for all customers

print("\nShowing details for all customers...")

for i in bank\_accounts:

    print("\n")

    for customer\_detail in i:

        print(customer\_detail, end=" ")

# showing only customers with more than $5k or less than $0

print("\n\nShowing details for our rich and poor customers...", end="")

for i in bank\_accounts:

    if 0 > i[1] or i[1] > 5000:

        print("\n")

        for customer\_detail in i:

            print(customer\_detail, end=" ")