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1  #Functions Challenge 33: Bank Deposit and Withdrawal App
2
3  def get_info():
4      """Get user information to store in a dict that represents a bank account"""
5      print("Welcome to the Python First National Bank.")
6      #Get user input
7      name = input("\nHello, what is your name: ").title().strip()
8      savings = int(input("How much money would you like to set up your savings
account with: "))
9      checking = int(input("How much money would you like to set up your checking
account with: "))
10
11     #Build a dict that represents a specific bank account
12     bank_account = {
13         "Name": name,
14         "Savings": savings,
15         "Checking": checking,
16     }
17
18     return bank_account
19
20
21 def make_deposit(bank_account, account, money):
22     """Add money to a specific type of account"""
23     bank_account[account] += money
24     print("\nDeposited $" + str(money) + " into " + bank_account['Name'] + "'s "
+ account.lower() + " account.")
25
26
27 def make_withdrawal(bank_account, account, money):
28     """Withdraw money from a specific type of account"""
29     #Check that the balance will still be positive after the withdrawal
30     if bank_account[account] - money >= 0:
31         bank_account[account] -= money
32         print("\nWithdrew $" + str(money) + " from " + bank_account['Name'] + "'s
" + account.lower() + " account.")
33         #Not enough money in the account to make the withdrawal
34     else:
35         print("\nSorry, by withdrawing $" + str(money) + " you will have a
negative balance.")
36
37
38 def display_info(bank_account):
39     """Display all key-value pairs in a given bank account"""
40     print("\nCurrent Account Information")
41     for key, value in bank_account.items():
42         if key == 'Name':
43             print(key + ": " + str(value))
44         else:
45             print(key + ": $" + str(value))
46
47
48 #The main code
49 #Create a bank account
50 my_account = get_info()
51
52 running = True
53 while running:
54     #Show the current state of the bank account
55     display_info(my_account)
56
57     #Get user input for the transaction information
58     account_type = input("\nWhat account would you like to access (Savings or
Checking): ").title()

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59     choice = input("What type of transaction would you like to make (Deposit or
Withdrawal): ").title()
60     amount = float(input("How much money: "))
61
62     #Make the correct function call based off previous user input
63     if account_type == "Savings" or account_type == "Checking":
64         if choice == "Deposit":
65             make_deposit(my_account, account_type, amount)
66         elif choice == "Withdrawal":
67             make_withdrawal(my_account, account_type, amount)
68         else:
69             print("\nI'm sorry, we cannot do that for you today.")
70     else:
71         print("\nI'm sorry, we cannot do that for you today.")
72
73     #Allow users to make another transaction
74     choice = input("Would you like to make another transaction (y/n): ").lower()
75     if choice != 'y':
76         display_info(my_account)
77         print("\nThank you. Have a great day!")
78         running = False
```