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1  #Dictionaries Challenge 23:  Yes or No Polling App
2
3  print("Welcome to the Yes or No Issue Polling App")
4
5  #Get user input
6  issue = input("What is the yes or no issue you will be voting on today: ")
7  vote_number = int(input("what is the number of voters you will allow on the
8  issue: "))
9  password = input("Enter a password for the polling results: ")
10
11 #Initialize our variables
12 yes = 0
13 no = 0
14 results = {}
15
16 #Simulate voting
17 for i in range(vote_number):
18     name = input("\nEnter your full name: ").title().strip()
19     if name in results.keys():
20         print("Sorry, it seems that someone with that name has already voted.")
21     else:
22         print("Here is our issue: " + issue)
23         choice = input("What do you think...yes or no: ").lower().strip()
24         if choice == 'yes' or choice == 'y':
25             choice = 'yes'
26             yes += 1
27         elif choice == 'no' or choice == 'n':
28             choice = 'no'
29             no += 1
30         else:
31             print("That is not a yes or no answer, but okay...")
32             #Add vote to the dictionary results
33             results[name] = choice
34             print("Thank you " + name + "! Your vote of " + results[name] + " has
35             been recorded.")
36
37 #Show who actually voted
38 total_votes = len(results.keys())
39 print("\nThe following " + str(total_votes) + " people voted: ")
40 for key in results.keys():
41     print(key)
42
43 #Summarize the voting results
44 print("\nOn the following issue: " + issue)
45 if yes > no:
46     print("Yes wins! " + str(yes) + " votes to " + str(no) + ".")
47 elif no > yes:
48     print("No wins! " + str(no) + " votes to " + str(yes) + ".")
49 else:
50     print("It was a tie! " + str(no) + " votes to " + str(yes) + ".")
51
52 #Allow the admin to see the actual votes
53 guess = input("\nTo see the voting results enter the admin password: ")
54 if guess == password:
55     for key, value in results.items():
56         print("Voter: " + key + "\t\t\tVote: " + value)
57     else:
58         print("Sorry, that is not the correct password. Goodbye...")
59
60 print("\nThank you for using the Yes or No Issue Polling App.")

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