Exercise_BD_invite.py

```python
1    #Getting names from user:
2
3    confirmation = False
4    names = []
5    count = 0
6    print ('\nSay me which ones of your friends do you like to invite to your birthday?')
7
8    while confirmation == False:
9
10       invite = True
11
12       while invite:
13
14           name = input ('\nPlease enter your friend\'s name: ')
15           if name.lower () == 'quit' or name.lower () == 'no one' or name.lower () == 'end':
16               invite = False
17
18           else:
19               names.append (name.title ())
20               count += 1
21               print (f'\n{count} - {name.title ()} is now in the invitation list!'\
22                       '\nIs there any other friend to invite?\nIf not please type '\
23                       'END.')
24
25
26   # Showing the final list to you after edit:
27       if len (names) == 0 :
28           print ('\nYou entered no one in the list!\n')
29           restart_ = input ('Do you want to restart? \nY/N: ')
30           if restart_.lower () not in ('yes', 'y'):
31               confirmation = True
32               break
33           else:
34               conf_validation = True
35
36       else:
37           conf_validation = False
38           print ('\nThe list of  your friends is:\n')
39
40           for name in names:
41               print ((names.index (name) + 1), '-', name)
42
43   # Final list confirmation:
44
45       if conf_validation != True :
46           user_conf = input ('\nDo you confirm the list as final to invite?\n')
47
48           while conf_validation == False:
49               # The list is the final list!
50               if user_conf.lower () == 'yes' or user_conf.lower () == 'y' :
51                   print ('\nThe final list of  your friends is:\n')
```

```python
52                    conf_validation = True
53
54                for name in names:
55                    print (names.index (name) + 1 ,'-', name)
56                    confirmation = True
57
58            # The list needs to be modified
59            elif user_conf.lower () in ('no', 'n'):
60
61                action_ = 0
62
63                while action_ not in range (1, 5):
64                    print ('\nIt seems you need to modify the list!\nWhat do you need to do?
     \n'\
65                         ' 1- I want to add another friend to the list.\n'\
66                         ' 2- I want to remove one or more!\n'\
67                         ' 3- I want to correct/edit one of the names!\n'\
68                         ' 4- The list is OK! I confirm it.\n')
69
70                    action_ = int (input ('Please select between 1 to 4:\n'))
71
72                    if action_ == 1:
73                        conf_validation = True
74                        invite = True
75
76                    elif action_ == 2:
77
78                        len_count = len (names)
79
80                        while len_count  > 0:
81                            print ('\nThe list of  your friends is:\n')
82
83                            for name in names:
84                                print (names.index (name) + 1 ,'-', name)
85
86                            print ((names.index (name)) + 2, '-', 'Dont remove anyone!\n')
87
88                            del_ = (int (input ('Please enter the number of your choice: ')) -
     1)
89
90                            if del_ > (len (names)):
91                                del_ = (int (input (f'\nPlease enter the number of your choice
     less than {(len (names) + 2)}: ')) - 1)
92
93                            if (del_) == (len (names)):
94                                print ('\nNow your list is:')
95                                for name in names:
96                                    print (names.index (name) + 1 ,'-', name)
97                                len_count = 0
98                                action_ = 0
99
100                           else:
101
```

```python
102                                    answer_ = input (f'Are you sure you want to remove
       {names[del_]} frome list?\nY/N: ')
103
104                                    while answer_ not in ('Y', 'y', 'N', 'n', (names.index (name) +
       2)):
105                                            print ('\nYour answer is not valid!\nPlease answer with
       YES or No:')
106                                            answer_ = input (f'Are you sure you want to remove
       {names[del_]} frome list?\nY/N: ')
107
108
109                                    if answer_ in ('Y', 'y') :
110
111                                            print (f'{names[del_]} is removed from the list!')
112
113                                            del names [del_]
114
115                                            len_count = len (names)
116
117                                            cont_ = input ('\nDo you want to remove another one?\nY/N:
       ')
118
119                                            while cont_ not in ('Y', 'y', 'N', 'n'):
120                                                print ('\nYour answer is not valid!\nPlease answer with
       Y or N:')
121                                                cont_ = input ('\nDo you want to remove another one?
       \nY/N: ')
122
123                                            if cont_ in ('Y', 'y') :
124                                                continue
125
126                                            else:
127                                                len_count = 0
128                                                action_ = 0
129
130                            elif action_ == 3:
131
132                                len_count = len (name)
133
134                                while len_count  > 0:
135                                    print ('\nThe list of  your friends is:\n')
136
137                                    for name in names:
138                                        print (names.index (name) + 1 ,'-', name)
139
140                                    print ((names.index (name)) + 2, '-', 'Dont change anyone!\n')
141
142                                    edit_ = (int (input ('Please enter the number of your choice: ')) -
       1)
143
144                                    if edit_ > (len (names)):
145                                        edit_ = (int (input (f'\nPlease enter the number of your choice
       less than {(len (names) + 2)}: ')) - 1)
146
147                                    if (edit_) == (len (names)):
```

```python
148                            print ('\nNow your list is:')
149                            for name in names:
150                                print (names.index (name) + 1 ,'-', name)
151                            len_count = 0
152                            action_ = 0
153
154                    else:
155
156                            answer_ = input (f'Are you sure you want to change
       {names[edit_]} in the list?\nY/N: ')
157
158                            while answer_ not in ('Y', 'y', 'N', 'n', (names.index (name) +
       2)):
159                                    print ('\nYour answer is not valid!\nPlease answer with
       YES or No:')
160                                    answer_ = input (f'Are you sure you want to change
       {names[edit_]} in the list?\nY/N: ')
161
162                            if answer_ in ('Y', 'y') :
163
164                                    edited_name = input ('\nPlease enter the substitute!')
165                                    edited_name = edited_name.title ()
166                                    print (f'\n{names[edit_]} is substituted with {edited_name}
       in the list!')
167
168                                    names [edit_] = edited_name
169
170                                    len_count = len (names)
171
172                                    cont_ = input ('\nDo you want to edit/change another one?
       \nY/N: ')
173
174                                    while cont_ not in ('Y', 'y', 'N', 'n'):
175                                        print ('\nYour answer is not valid!\nPlease answer with
       Y or N:')
176                                        cont_ = input ('\nDo you want to change/edit another
       one?\nY/N: ')
177
178                                    if cont_ in ('Y', 'y') :
179                                        continue
180
181                                    else:
182                                        len_count = 0
183                                        action_ = 0
184
185                    else:
186
187                        print ('\nThe final list of  your friends is:\n')
188                        conf_validation = True
189
190                        for name in names:
191                            print (names.index (name) + 1 ,'-', name)
192                        confirmation = True
193
194            else:
```

```python
195
196                      print ('\nThe final list of  your friends is:\n')
197                      conf_validation = True
198
199                      for name in names:
200                          print (names.index (name) + 1 ,'-', name)
201                          confirmation = True
202
203
204  if len (names) == 0:
205      print ('\nYou have invited no one!\n')
206
207  elif len (names) == 1:
208      print ('\nYou have invited just one person!\nThe list completed\n')
209
210  else:
211      print (f'\nYou have invited {len (names)} people.\nThe list completed\n')
212
213  orgnz = input ('Do you want to organize ceremony? Y/N?: \n')
214
215  while orgnz.lower not in ('y', ' yes', 'no', 'n'):
216      print ("\n Your answer is not valid!\n")
217      orgnz = input ("Please answer with 'Y' or 'N': ")
218
219  if orgnz.lower in ('no', 'n'):
220      print ("\nHAPPY BIRTHDAY TO YOU!")
221
```