```python
1  #Library and Value
2  from random import *
3  from os import system
4  from time import sleep
5
6  #Special Module Check Start ==> Dont Touch
7  try:
8      from prettytable import PrettyTable
9  except ImportError:
10     print('Module Not Found Please Wait We Preparing To Install IT . . .')
11     sleep(1)
12     system('pip install prettytable')
13     print('Install SuccessFully ! ! !\n')
14     sleep(1)
15     system('cls')
16 finally :
17     from prettytable import PrettyTable
18
19 data = {25032:{'Name':'Naphop Khumchawna','Age':25,'Balance':100,'Status':'WORKING
   AGE'},24354:{'Name':'Veeraya Lekchaaum','Age':17,'Balance':40,'Status':'STUDYING
   AGE'},74512:{'Name':'Klittima Chawwadee','Age':19,'Balance':50,'Status':'STUDYING
   AGE'}}
20 bus_stop = {1:{'BName':'Busta Shinjuku','Price':5},2:
   {'BName':'Tomigaya','Price':10},3:{'BName':'Sakurabashi','Price':15},4:
   {'BName':'Namsan Seoul Tower','Price':20},5:{'BName':'Seoul Arts
   Center','Price':25},6:{'BName':'Myeong-dong Entrance','Price':30},7:{'BName':'Seoul
   Square','Price':35},8:{'BName':'Bridge St','Price':40},9:{'BName':'Manchester Coach
   Station','Price':45},10:{'BName':'Manchester Shudehill','Price':50}}
21
22 #Function System
23 def clear():
24     sleep(0.5)
25     system('cls')
26 # Create Table Function
27 def create_table(id,field_name):
28     x = PrettyTable()
29     x.field_names=field_name
30     j = 1
31     ls_per_user= []
32     for index_name in range (len(field_name)-1):
33         if index_name == 0:
34             ls_per_user.append(id)
35         else:
36             ls_per_user.append(data[id][field_name[index_name]])
37             j += 1
38     Balance = f"{data[id]['Balance']} Bath"
39     ls_per_user.append(Balance)
40     # print(ls_per_user)
41     table = lambda x : x
42     x.add_row([table(k)for k in ls_per_user])
43     return print(x)
44
45 def table_user(mode):
46     user_table = PrettyTable()
47     match mode:
48         case 1:
49             user_table.title='Edit Mode'
50         case 2 :
51             user_table.title = 'Delete Mode'
```

```python
        case 3 :
            user_table.title = 'Finding Mode'
    user_table.field_names = ['ID','NAME','AGE','STATUS','BALANCE']
    for id in data.keys():
        name = data[id]['Name']
        status = data[id]['Status']
        balance = f"{data[id]['Balance']} bath"
        age = data[id]['Age']
        user_table.add_row([id,name,age,status,balance])
    print(user_table)

#Function of ADMIN
def admin_head():
    print('''

     ____  _____  __  __  _  _   _
    /\     |  _ \ |  \/  ||_   _|| \ | |
   /  \    | | | || |\/| |  | |  |  \| |
  / /\ \   | | | || |\/| |  | |  | . ` |
 / ____ \  | |_| || |  | | _| |_ | |\  |
/_/    \_\ |____/ |_|  |_||_____||_| \_|\n''')

def login_admin():
        while True:
            try:
                admin_head()
                print('\nCtrl + c To Exit Admin mode .....\n')
                # username = 'admin'
                # password = 'admin'
                username = str(input('Username : '))
                password = str(input('Password : '))
                if username == 'admin' and password == 'admin':
                    print("Welcome Admin")
                    clear()
                    admin_menu()
                else:
                    input('Wrong Please Try Again....')
                    clear()
            except KeyboardInterrupt:
                print('Exit Admin Mode...')
                clear()
                break

def admin_menu():
    while True:
        try :
            admin_head()
            choose = int(input('[0]Log Out\n[1]Edit\n[2]Delete\n[3]Find\nWhat Would
You Like To Do ? : '))
            if choose >= 0 and choose <=3:
                match choose:
                    case 1:
                        clear()
                        edit_admin()
                        break
                    case 2:
                        clear()
                        delete_admin()
                        break
                    case 3:
                        clear()
```

```python
111                             find_admin()
112                             break
113                         case 0:
114                             clear()
115                             break
116                 else:
117                     clear()
118                     admin_menu()
119                     break
120         except ValueError:
121             print('0 1 2 3 Only Please Try Again')
122             clear()
123             admin_menu()
124             break
125         except KeyboardInterrupt :
126             print('Exit Admin Menu Select....')
127             clear()
128             break
129
130 def edit_admin():
131     while True:
132         admin_head()
133         pick_table = PrettyTable()
134         try:
135             table_user(1)
136             print('''\n===Edit USER Data ADMIN Mode===\n''')
137             edit_id = int(input('Edit ID : '))
138             if check_id(edit_id) == edit_id:
139                 edit_choose = int(input('\nEDIT NAME OR AGE ?\n[0]Exit This
    Menu\n[1]Name\n[2]Age\nChoose : '))
140                 if edit_choose <= 2:
141                     match edit_choose:
142                         case 0 :
143                             break
144                         case 1 :
145                             pick_table.field_names = ['ID','NAME']
146                             pick_table.add_row([edit_id,data[edit_id]['Name']])
147                             print(pick_table)
148                             name = str(input('Name : '))
149                             surname = str(input('Surname : '))
150                             fullname = name + ' ' + surname
151                             print('\nPlease Wait...')
152                             sleep(1)
153                             data[edit_id]['Name'] = fullname
154                             pick_table.del_row(0)
155                             pick_table.add_row([edit_id,data[edit_id]['Name']])
156                             print('\nEdit Successfully ! ! ! !')
157                             print(pick_table)
158                             con = str(input('\nDo you want to Edit Continue ? (y/n)
    :'))
159                             if con.lower() == 'y':
160                                 clear()
161                                 edit_admin()
162                             elif con.lower() == 'n':
163                                 print('Go to Main Admin Menu....')
164                                 clear()
165                                 admin_menu()
166                                 break
167                             else:
168                                 print('Go to Main Admin Menu....')
```

```python
169                              clear()
170                              admin_menu()
171                              break
172                          case 2 :
173                              pick_table.field_names = ['ID','NAME','AGE','STATUS']
174                              pick_table.add_row([edit_id,data[edit_id]
     ['Name'],data[edit_id]['Age'],data[edit_id]['Status']])
175                              print(pick_table)
176                              age = int(input('Edit Age : '))
177                              if age >= 1 and age <= 20:
178                                  status = 'STUDYING AGE'
179                              elif age >= 21 and age <= 59:
180                                  status = 'WORKING AGE'
181                              elif age >=60:
182                                  status = 'OLD AGE'
183                              else:
184                                  input('Your Age Can not be Zero Please Try
     Again...')
185                                  clear()
186                                  edit_admin()
187                                  break
188                              print('\nPlease Wait...')
189                              sleep(1)
190                              data[edit_id]['Age'] = age
191                              data[edit_id]['Status'] = status
192                              pick_table.del_row(0)
193                              pick_table.add_row([edit_id,data[edit_id]
     ['Name'],data[edit_id]['Age'],data[edit_id]['Status']])
194                              print('Edit Successfully ! ! ! !')
195                              print(pick_table)
196                              con = str(input('Do you want to Edit Continue ? (y/n) :
     '))
197                              if con.lower() == 'y':
198                                  clear()
199                                  edit_admin()
200                              elif con.lower() == 'n':
201                                  print('Go to Main Admin Menu....')
202                                  clear()
203                                  admin_menu()
204                                  break
205                              else:
206                                  print('Go to Main Admin Menu....')
207                                  clear()
208                                  admin_menu()
209                                  break
210                      else :
211                          input('0 or 1 or 2 Only Please Try Again...')
212                          clear()
213                  else:
214                      input('Not Found This ID Please Try Again ...')
215                      clear()
216          except ValueError as e :
217              # print(e)
218              input('Number Only Please Try Again...')
219              clear()
220          except KeyboardInterrupt :
221              print('Exit Edit User Menu ...')
222              clear()
223              admin_menu()
224              break
```

```python
225
226
227
228  def delete_admin():
229      while True:
230          admin_head()
231          delete_table = PrettyTable()
232          table_user(2)
233          try:
234              print('''\n===Delete User Data ADMIN Mode===\n''')
235              delete_id = int(input('Delete ID : '))
236              if delete_id in data.keys():
237                  create_table(delete_id,['ID','Name','Age','Status','Balance'])
238                  delete_com = int(input("Do You Want To Delete ?
     \n[0]Yes\n[1]No\nChoose: "))
239                  if delete_com == 0:
240                      print('Please Wait...')
241                      sleep(1)
242                      del data[delete_id]
243                      print('\nDelete successfully ! ! !')
244                      table_user(2)
245                      con = str(input('\nDo You Want to Continue ?(y/n): '))
246                      if con.lower() == 'y':
247                          clear()
248                          delete_admin()
249                          break
250                      elif con.lower() == 'n':
251                          print('Redirect to Main Menu....')
252                          clear()
253                          admin_menu()
254                          break
255                      else:
256                          print('Redirect to Main Menu....')
257                          clear()
258                          admin_menu()
259                          break
260                  elif delete_com == 1:
261                      clear()
262                      delete_admin()
263                      break
264                  else:
265                      clear()
266                      delete_admin()
267                      break
268              else:
269                  input('Not Found This ID Please Try Again ....')
270                  clear()
271                  delete_admin()
272                  break
273          except (ValueError,TypeError) as e:
274              # print(e)
275              print('ID Should Be Number Please Try Again')
276              clear()
277          except KeyboardInterrupt:
278              print('Exit Delete User Mode ...')
279              clear()
280              admin_menu()
281              break
282
283  def find_admin():
```

```python
284        while True:
285            try:
286                admin_head()
287                table_user(3)
288                print('''\n===Finding USER Data ADMIN Mode===\n''')
289                find_id = input('Find By Name Or ID : ')
290                # print(find_id)
291                if find_id != '':
292                    if str(find_id).isnumeric():
293                        if check_id(int(find_id)) == int(find_id):
294                            ID = int(find_id)
295                            print('\nFounding ! ! !')
296                            create_table(ID,['ID','Name','Age','Status','Balance'])
297                            con = str(input('\nDo you Want To Find Again ?(y/n)? : '))
298                            if con.lower() == 'y':
299                                clear()
300                                find_admin()
301                                break
302                            elif con.lower() == 'n':
303                                print('Go to Main Admin Menu....')
304                                clear()
305                                admin_menu()
306                                break
307                            else:
308                                print('Go to Main Admin Menu....')
309                                clear()
310                                admin_menu()
311                                break
312                        else:
313                            input('Not Found Please Try Again...')
314                            clear()
315                            find_admin()
316                            break
317
318                    elif str(find_id).isalpha() == False:
319                        for id in data.keys():
320                            if data[id]['Name'] == str(find_id):
321                                print('\nFounding ! ! !')
322                                create_table(id,['ID','Name','Age','Status','Balance'])
323                                con = str(input('\nDo you Want To Find Again ?(y/n)? : '))
324                                if con.lower() == 'y':
325                                    clear()
326                                    find_admin()
327                                    return 0
328                                elif con.lower() == 'n':
329                                    print('Go to Main Admin Menu....')
330                                    clear()
331                                    admin_menu()
332                                    return 0
333                                else:
334                                    print('Go to Main Admin Menu....')
335                                    clear()
336                                    admin_menu()
337                                    return 0
338                            else:
339                                input('Not Found This Name Please Try Again')
340                                clear()
341                                find_admin()
342                                return 0
```

```python
343                else:
344                    input('Not Found Please Try Again')
345                    clear()
346                    find_admin()
347                    return 0
348            else:
349                input('Your Key Finding Should Not To Blank...')
350                clear()
351                find_admin()
352                break
353        except (ValueError,KeyError,TypeError) as e:
354            print(e)
355        except KeyboardInterrupt :
356            print('Exit Finding User Menu...')
357            clear()
358            admin_menu()
359            break
360
361
362
363 #Function Of User
364 def name_program():
365         print('''  ___              ___                        _    ___
366 | _ ) _   _ __  |  _ \ _ _ _   _ _ _ __  _ __ _ _ | |_ / __| _   _ ___| |_ ___ _ ___ __
367 |  _ \| | | / _| | |_) / _` | | | | '_ ` _ \ / _ \ '_ \| _| \__ \| | | / _| __/ _   \ '  ` _ \
368 | |_) | |_| \__ \ |  _/ (_| | |_| | | | | | |  __/ | | | |_  ___) | |_| \__ \ || (_| | | | | | |
369 |___/ \__,_|___/ |_|    \__,_|\_, |_| |_| |_|\___|_| |_|\__| |___/ \__, |__/\__\___|_| |_| |_|
370                               |__/                                  |__/
371 '''

372 def show_id(id):
373    return create_table(id,['Your ID','Name','Status','Balance'])
374 def farewell(name):
375    print(f'\nThank You Have A Goodday {name}')
376
377 def check_id(id):
378    if id in data.keys():
379        return id
380    else:
381        return 0
382
383 def gen_id():
384    id = lambda x : str(randint(0,9))
385    num = (''.join([id(i)for i in range (5)]))
386    if num in data.keys():
387        print('Has IT')
388        num = (''.join([id(i)for i in range (5)]))
389    # print(num)
390    return int(num)
391
392 def register():
393    while True:
394        name_program()
395        try:
396            print('''===REGISTER USER MENU===\n''')
```

```python
397                     id = gen_id()
398                     name = str(input("Your Name is : "))
399                     if name.isalpha() :
400                         surname = str(input('Your Surname is : '))
401                         if surname.isalpha():
402                             if name.isalpha() and surname.isalpha():
403                                 if name !='' or surname != '':
404                                     age = int(input("Your Age is : "))
405                                     if age >= 0 and age<= 20:
406                                         status = 'STUDYING AGE'
407                                     elif age >= 21 and age <=59:
408                                         status = 'WORKING AGE'
409                                     else:
410                                         status = 'OLD AGE'
411                                     fullname = name+' '+surname
412                                     for id_member in data.keys():
413                                         if fullname == data[id_member]['Name']:
414                                             input('Has this name on our database Please Try
     Again...')
415                                             clear()
416                                             register()
417                                     data[id] = {
418                                         'Name':fullname,
419                                         'Age':age,
420                                         'Balance':0,
421                                         'Status':status
422                                         }
423                                     print('\nRegister Successfully ! ! !')
424                                     show_id(id)
425                                     input('Press Any Key To Continue....')
426                                     clear()
427                                     break
428                                 else:
429                                     input('Your Name Or Surname Can not Blank Please Try
     Again ....')
430                                     clear()
431                             else:
432                                 input('You Name or Surname Should be String not Number
     Please Try Again...')
433                                 clear()
434                         else:
435                             input('You Surname Should be String not Number Please Try
     Again...')
436                             clear()
437                             register()
438                             break
439                     else:
440                         input('You Name Should be String not Number Please Try Again...')
441                         clear()
442                         register()
443                         break
444             except ValueError:
445                 input('Your Age Should Be Number Please Try Again...')
446                 clear()
447             except KeyboardInterrupt:
448                 print('Exit Register Menu ...')
449                 clear()
450                 break
451 def pay_1():
452     while True:
```

```python
453        name_program()
454        table_bus = PrettyTable()
455        result_payment = PrettyTable()
456        try:
457            print('''===Payment User Menu===''')
458            user_id=int(input("\nYour ID :"))
459            if check_id(user_id) == user_id:
460                create_table(user_id,['ID','Name','Status','Balance'])
461                table_bus.field_names=['NO.','Bus Stop Pitch']
462                for select in bus_stop.keys():
463                    table_bus.add_row([select,bus_stop[select]['BName']])
464                print(table_bus)
465                start=int(input("Choose Start Station : "))
466                stop=int(input("Choose Stop Station : "))
467                start_b = bus_stop[start]['BName']
468                stop_b = bus_stop[stop]['BName']
469                user_age = data[user_id]['Age']
470                status = data[user_id]['Status']
471                if start != 0 and stop !=0:
472                    if start > stop:
473                        pay=bus_stop[10]['Price']-(bus_stop[start]['Price']-
    bus_stop[stop]['Price'])
474                    elif start == stop:
475                        pay=50
476                    else:
477                        pay=bus_stop[stop]['Price']-bus_stop[start]['Price']
478                print(f'\n=====You are from {start_b} to {stop_b}=====')
479                if user_age >=0 and user_age <= 20:
480                    rate = 3
481                elif user_age >=21 and user_age <= 59:
482                    rate = 0
483                else:
484                    rate = 2
485                if pay>data[user_id]['Balance']:
486                    print('\nYour balance is not sufficient')
487                    choose = str(input('Would You Like To Top Up ? (y/n) : '))
488                    if choose.lower() == 'y':
489                        print('Redirect To Top-up Page')
490                        clear()
491                        top_up()
492                        break
493                    elif choose.lower() == 'n':
494                        clear()
495                        break
496                    else:
497                        clear()
498                        print('Please Try Again')
499                        break
500                else:
501                    pay_discount=pay-rate
502                    stable = data[user_id]['Balance']-pay_discount
503                    data[user_id]['Balance'] = stable
504                    rate = f"{rate} Bath"
505                    stable = f"{stable} Bath"
506                    pay_discount = f"{pay_discount} Bath"
507                    pay = f"{pay} Bath"
508                    result_payment.field_names=(['ID','Name','Age','Promotion','Full
    Price','Discount','Discount Price','Balance'])
509                    result_payment.add_row([user_id,data[user_id]
    ["Name"],user_age,status,pay,rate,pay_discount,stable])
```

```python
510                     print('\n',result_payment)
511                     farewell(data[user_id]['Name'])
512                     input('Press Any Key To Continue... ')
513                     clear()
514                     return 0
515              else:
516                 print('Not Found Your ID Please Try Again')
517                 choose = str(input('Do You Want to Go To Main Menu ? (y/n) : '))
518                 if choose.lower() == 'y':
519                     print('Redirect to Mainmenu')
520                     clear()
521                     break
522                 elif choose.lower()=='n':
523                     clear()
524                     pass
525                 else:
526                     clear()
527                     pass
528          except (TypeError,ValueError) as e :
529              input('It Should Be Number Please Try Again...')
530              clear()
531          except KeyboardInterrupt:
532              print('Exit Payment Menu ...')
533              clear()
534              break
535
536 def top_up():
537     while True:
538         name_program()
539         final_table = PrettyTable()
540         try:
541             print('''===Top Up User Menu==='''')
542             user_id=int(input("\nYour ID : "))
543             if check_id(user_id) == user_id:
544                 create_table(user_id,['ID','Name','Balance'])
545                 topup=int(input('Top up : '))
546
547                 if topup>=1:
548                     name = data[user_id]['Name']
549                     Balance = data[user_id]['Balance']
550                     Balance += topup
551                     data[user_id]['Balance'] = Balance
552                     Balance = f"{Balance} Bath"
553                     print('\nSuccessfully ! ! ! ! ')
554                     final_table.field_names=['ID','Name','TopUp','Balance']
555                     final_table.add_row([user_id,name,f'+{topup} Bath',Balance])
556                     print(final_table)
557                     print('Thank You For Top Up')
558                     input('Press Any Key To Continue... ')
559                     clear()
560                     break
561                 else:
562                     input('Your Top Up Should be more than 0 Please Try Again...')
563                     clear()
564                     top_up()
565                     break
566             else:
567                 print('Not Found This ID')
568                 choose = input('Do You Want to Register ? (y/n) : ')
569                 match choose.lower():
```

```python
                        case 'y':
                            print('Redirect To Register Page....')
                            clear()
                            register()
                            break
                        case 'n':
                            clear()
                            break
                        case '':
                            clear()
                            break
            except (ValueError,TypeError) as e:
                input('It Should Be Only Number Please Try Again...')
                clear()
            except KeyboardInterrupt:
                print('Exit Top Up Menu ...')
                clear()
                break


# Main Programe
while True :
    # edit_admin()
    name_program()
    try:
        print('What Would You Like :\n[0]Exit\n[1]Register\n[2]Pay\n[3]TopUP')
        choose = int(input('Choose : '))
        if choose >= 0 and choose <=3:
            match choose:
                case 0 :
                    break
                case 1 :
                    clear()
                    register()
                case 2 :
                    clear()
                    if pay_1() == 0:
                        break
                case 3 :
                    clear()
                    top_up()
        elif choose == 1001:
            clear()
            login_admin()
        else:
            input('0 1 2 3 Only Please Try Again...')
            clear()
    except (ValueError,TypeError):
        input('Only Number Please Try Again...')
        clear()
```