Input Code

```
def is valid(customer account number):
   customer database.close()
def check leap(year):
    return ((int(year) % 4 == 0) and (int(year) % 100 != 0)) or (int(year) %
def check date(date):
```

```
if check leap(year):
def is valid mobile(mobile number):
def append data(database path, data):
   customer database.write(data)
               customer database.readline() # skipped pin
```

```
flag = 1
            fetched line = customer database.readline()
flag = 0
adminMenu.printMessage outside(output message)
```

```
def delete admin account(identity):
   flaq = 0
               admin database.readline()
               data collector += admin database.readline()
   if flag == 1:
   data collector = ""
           data collector += str(new PIN) + "\n" # PIN changed
               data collector += customer database.readline()
   customer database.close()
   customer database.write(data collector)
   data collector = ""
```

```
data collector += customer database.readline() # PIN
               balance += amount
            data collector += customer database.readline()
customer database.close()
```

```
fetched line = database.readline()
window.resizable(0, 0)
```

```
self.Button2.configure(font="-family {Seqoe UI} -size 10 -weight
def selectEmployee(self):
    self.master.withdraw()
def selectCustomer(self):
    self.master.withdraw()
    CustomerLogin(Toplevel(self.master))
    Label2 = tk.Label(master, background="#f2f3f4",
```

```
master.withdraw()
self.master = window
self.Label1 = tk.Label(Canvas1, background="#fffffff",
global Label2
Label2.configure(image= img0)
```

```
img1 = tk.PhotoImage(file="./images/user1.png")
    self.Label4.configure(image= img2)
    self.Label5.configure(image= img3)
    self.master.withdraw()
def setImg():
    if check credentials (admin id, admin password, 1, True):
```

```
self.master.withdraw()
    Error(Toplevel(self.master))
    self.setImg()
Canvas1 = tk.Canvas(window, background="#ffffff",
Label1 = tk.Label(Canvas1, background="#fffffff",
Label2.configure(image= img0)
```

```
self.Label3.place(relx=0.556, rely=0.453, height=21, width=34)
    self.Label5.configure(image= img3)
    self.master.withdraw()
def setImg():
def login(self, customer account number, customer PIN):
```

```
self.master.withdraw()
    customerMenu(Toplevel(self.master))
    Error(Toplevel(self.master))
    self.setImg()
self.master = window
window.configure(background="#ffff00")
self.Labelframe1 = tk.LabelFrame(window, relief='groove', font="-
self.Button3 = tk.Button(self.Labelframe1,
```

```
command=self.showAccountSummary)
       CloseAccountByAdmin(Toplevel(self.master))
```

```
def createAdmin(self):
    createAdmin(Toplevel(self.master))
def deleteAdmin(self):
def showAccountSummary(self):
def printAccountSummary(identity):
def printMessage outside(output):
    self.master.withdraw()
    window.configure(background="#f2f3f4")
```

```
self.master.withdraw()
    Error(Toplevel(self.master))
self.master.withdraw()
self.master = window
window.maxsize(1370, 749)
window.configure(highlightcolor="black")
```

```
self.Label2.place(relx=0.316, rely=0.099, height=27, width=75)
self.Entry2.place(relx=0.511, rely=0.099, height=20, relwidth=0.302)
```

```
self.Label4.place(relx=0.090, rely=0.238, height=27, width=175)
self.Label6 = tk.Label(window, activebackground="#f9f9f9",
```

```
self.Entry10.place(relx=0.511, rely=0.7, height=20, relwidth=0.302)
self.Label10 = tk.Label(window, activebackground="#f9f9f9",
```

```
self.create acc(self.Entry1.get(), self.Entry2.get(), acc type.get(),
self.Entry4.get(), self.Entry5.get(), gender.get(),
self.Entry11.get()))
        self.master.withdraw()
   def create acc(self, customer account number, name, account type,
date of birth, mobile number, gender, nationality,
                   PIN, confirm PIN, initial balance):
```

```
if check date(date of birth):
                                             if confirm PIN == PIN:
adminMenu.printMessage outside(output message)
Error(Toplevel(self.master))
                                                     Error.setMessage(self,
                                         Error(Toplevel(self.master))
                                     Error.setMessage(self,
                            Error(Toplevel(self.master))
                            Error.setMessage(self, message shown="Invalid")
```

```
Error(Toplevel(self.master))
                  Error(Toplevel(self.master))
                   Error.setMessage(self, message shown="Select account
              Error(Toplevel(self.master))
          Error(Toplevel(self.master))
"\n" + date of account creation + "\n" + name + "\n" + account type + "\n"
      self.master.withdraw()
      window.geometry("411x150+512+237")
      window.resizable(0, 0)
      window.configure(background="#f2f3f4")
      self.Label1.place(relx=0.219, rely=0.067, height=27, width=104)
      self.Entry1.place(relx=0.487, rely=0.087, height=20, relwidth=0.326)
```

```
self.Entry2.place(relx=0.487, rely=0.287, height=20, relwidth=0.326)
self.Label3 = tk.Label(window, activebackground="#f9f9f9",
self.master.withdraw()
        self.master.withdraw()
        Error(Toplevel(self.master))
        if password != confirm password:
```

```
window.geometry("411x117+504+268")
window.configure(background="#f2f3f4")
self.Entry1 1.place(relx=0.487, rely=0.33, height=20, relwidth=0.277)
```

```
if check credentials (admin id, password, 1, True):
    delete admin account (admin id)
    Error(Toplevel(self.master))
self.master.withdraw()
self.master = window
self.Labelframe1 = tk.LabelFrame(window, relief='groove', font="-
self.Button3 = tk.Button(self.Labelframe1, command=self.exit,
```

```
command=self.checkBalance)
   def selectWithdraw(self):
```

```
def selectChangePIN(self):
    changePIN(Toplevel(self.master))
def selectCloseAccount(self):
    self.master.withdraw()
def exit(self):
    self.master.withdraw()
def checkBalance(self):
   window.maxsize(1370, 749)
   self.Label1.place(relx=0.146, rely=0.171, height=21, width=164)
   self.Entry1 = tk.Entry(window, background="#cae4ff",
```

```
if amount.isnumeric():
        Error(Toplevel(self.master))
   Error(Toplevel(self.master))
   Error(Toplevel(self.master))
self.master.withdraw()
```

```
p1 = PhotoImage(file='./images/withdraw icon.png')
window.configure(background="#f2f3f4")
            Error.setMessage(self, message shown="Positive value
```

```
Error(Toplevel(self.master))
            Error.setMessage(self, message shown="Transaction failed!")
            self.master.withdraw()
        self.master = window
       window.resizable(0, 0)
disabledforeground="#a3a3a3", foreground="#000000",

text='''Enter new PIN:''')
```

```
def submit(self, new PIN, confirm new PIN):
        self.master.withdraw()
        Error(Toplevel(self.master))
        if new PIN != confirm new PIN:
    self.master.withdraw()
   window.maxsize (1370, 749)
```

```
if check credentials(customer accNO, PIN, 2, False):
            self.master.withdraw()
            CustomerLogin(Toplevel(self.master))
        self.master.withdraw()
        customerMenu(Toplevel(self.master))
class checkAccountSummary:
disabledforeground="#a3a3a3", foreground="#000000", text='''Enter ID :''')
       self.Entry1.place(relx=0.511, rely=0.256, height=20, relwidth=0.229)
```

Output















