

In [11]:

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1  """ """
2  import sqlite3
3
4
5  ###Creating a table for the first time transaction
6  def dbase_create():
7      db.execute("create table PiggyBank_Schidura(Actnumber text,Amt int)")
8      db.execute("insert into PiggyBank_Schidura(Actnumber,Amt) values (101,0)")
9      db.commit()
10     db.close()
11 def piggy_bank():
12     #Actid = '1111'
13     while True:
14         try:
15             SE = str(input("Start or End:").upper())
16             if(SE != "START" and SE != "END"):
17                 print("Looks like you are not entered a correct value")
18         except ValueError:
19             print("Looks like you are not entered a correct value")
20             SE = str(input("Start or End:").upper())
21             continue
22         else:
23             # connecting to DB and verifying the table is available or not i
24             # balance amount in table with a fixed account number 101
25             db=sqlite3.connect("mydatabase.db")
26             tbl=db.execute("SELECT count(*) FROM sqlite_master WHERE type='ta
27             for row in tbl:
28                 tblexist= row
29             if tblexist[0]<=0:
30                 dbase_create()
31             if SE=="START":
32                 print("Welcome to Piggy Bank: \n")
33                 op=input("Please Select D for Deposit, W for withdraw and C f
34                 if op == 'D':
35                     Deposit()
36                 elif op=='W':
37                     Withdrawl()
38                 elif op=='C':
39                     Check()
40                 else :
41                     print("you entered an invalid transaction")
42             elif SE=="END":
43                 print("Thanks for accessing Piggy bank and its closing now")
44                 break
45             continue
46
47 def Deposit():
48     Actid='101' # Making account id as hardcoed to 101 for standard usage we
49     while True:
50         try:
51             dep1=int(input("Enter an Amount for deposit:"))
52         except ValueError:
53             print("Looks like you are not entered numeric value depo")
54             continue
55         else:
56             db=sqlite3.connect("mydatabase.db")

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57         result=db.execute("select Amt from PiggyBank_Schidura where Actnu
58     for row in result:
59         Amt=row
60     AvailableAmt=Amt[0]
61     # newly Deposited amount is adding to the existing balace amount
62     AvailableAmt = AvailableAmt+dep1
63     db.execute("UPDATE PiggyBank_Schidura SET Amt =? WHERE Actnumber
64     db.commit()
65     db.close()
66     print("after depositing the amount your available balance is {}".
67     return
68
69 def Withdrawl():
70     Actid='101' ## Making account id as hardcoed to 101 for standard usage we
71     while True:
72         try:
73             wdamt1=int(input("Enter an Amount for Withdrawl:"))
74         except ValueError:
75             print("Looks like yo uare not entered numeric value withdrawl")
76             continue
77         else:
78             db=sqlite3.connect("mydatabase.db")
79             result=db.execute("select Amt from PiggyBank_Schidura where Actnu
80         for row in result:
81             Amt=row
82             AvailableAmt=Amt[0]
83
84             if AvailableAmt >=wdamt1 :
85                 # newly withdrawl amount is deducting from the existing balac
86                 AvailableAmt = AvailableAmt- wdamt1
87                 db.execute("UPDATE PiggyBank_Schidura SET Amt =? WHERE Actnum
88                 db.commit()
89                 db.close()
90                 print("After withdrawl, Your available balance is {}".format(
91             else:
92                 print("you do not have sufiiceint amount to withdraw, the ava
93             return
94
95 def Check():
96     db=sqlite3.connect("mydatabase.db")
97     result=db.execute("select Amt from PiggyBank_Schidura where Actnumber = '
98     for row in result:
99         Amt=row
100     AvailableAmt=Amt[0]
101     print("Your available balance is {}".format(AvailableAmt))
102     db.commit()
103     db.close()
104
105 piggy_bank()

```

Start or End:Start

Welcome to Piggy Bank:

Please Select D for Deposit, W for withdraw and C for balance verification :D

Enter an Amount for deposit:1500

after depositing the amount your available balance is 3500

Start or End:Start

Welcome to Piggy Bank:

Please Select D for Deposit, W for withdraw and C for balance verification :W

Enter an Amount for Withdrawl:2500

After withdrawl, Your available balance is 1000

Start or End:Start

Welcome to Piggy Bank:

Please Select D for Deposit, W for withdraw and C for balance verification :C

Your available balance is 1000

Start or End:End

Thanks for accessing Piggy bank and its closing now

In []:

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