

AIM: Write a menu-driven text application to maintain bank accounts of customers using Lists, Dictionary, Strings and Sets. This application handles error and exception using try block. The application allows following operations as python functions:

i) adding and delete accounts of customers, ii) deposit and withdraw money to/from accounts, iii) list last 3 transactions on a particular accounts and iv) exit from the application.

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In [1]: cust_trans={'rahul':[4100,5008,470,100,9870],'kartik':[120,550,8790,5410],'rajat':[250,
cust_names=['rahul','kartik','rajat','kunal']
cust_balance={'rahul':43200,'kartik':76590,'rajat':98734,'kartik':23450}
print(cust_names)

while True:
    # menu.
    print("1.Add Account")
    print("2.Remove Account")
    print("3.Deposit Money")
    print("4.Withdraw Money")
    print("5.List Last 3 Transaction of Particular account")
    print("6.QUIT")
    #asking users about there choice
    choice=int(input("Enter your choice:"))
    if choice == 1:
        cust_name=input('Enter Name of customer to add to above list:').lower()
        cust_names.append(cust_name)
        print('Account Added Successfully',cust_names)
    elif choice == 2:
        cust_name=input('Enter Name of customer to Remove from above list:').lower()
        #if cust_name in cust_names:
        #cust_names.remove(cust_name)
        #print(cust_names)
        #else:
        #print("name not Found try again")
        #break
        try:
            cust_names.remove(cust_name)
            print('Account Removed ',cust_names)
        except:
            print('Account not found ..try again')
    elif choice == 5:
        try:
            cust_name=input('Enter name of customer:').lower()
            a=cust_trans[cust_name]
            print(a[0-3:])
        except KeyError as error:
            print('Invalid Name')
            exit()
    elif choice == 6:
        print("Thank you Banking with us ")
        break
```

```
['rahul', 'kartik', 'rajat', 'kunal']
1.Add Account
2.Remove Account
3.Deposit Money
4.Withdraw Money
```

```
5.List Last 3 Transaction of Particular account
6.QUIT
Enter your choice:1
Enter Name of customer to add to above list:sanit
Account Added Successfully ['rahul', 'kartik', 'rajat', 'kunal', 'sanit']
1.Add Account
2.Remove Account
3.Deposit Money
4.Withdraw Money
5.List Last 3 Transaction of Particular account
6.QUIT
Enter your choice:2
Enter Name of customer to Remove from above list:sanit
Account Removed ['rahul', 'kartik', 'rajat', 'kunal']
1.Add Account
2.Remove Account
3.Deposit Money
4.Withdraw Money
5.List Last 3 Transaction of Particular account
6.QUIT
Enter your choice:5
Enter name of customer:rahul
[470, 100, 9870]
1.Add Account
2.Remove Account
3.Deposit Money
4.Withdraw Money
5.List Last 3 Transaction of Particular account
6.QUIT
Enter your choice:6
Thank you Banking with us
```

In []:

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