

Exp2 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.

```
cust_trans={'rahul':[4100,5008,470,100,9870],'kartik':[120,550,8790,5410],'rajat':[250,2480,6
cust_names=['rahul','kartik','rajat','kunal']
cust_balance={'rahul':43200,'kartik':76590,'rajat':98734,'kunal':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 ==3:
        try:
            cust_name=input('enter name of customer to deposit money :')
            cust_balance[cust_name]
        except NameError as error:
            print("Invalid Name")
            exit()
        else:
            amount=int(input('enter amount to deposit'))
            cust_balance[cust_name]+=amount
```

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        cust_balance[cust_name]-=amount
        print('Amount Deposited in '+cust_name + ' account is:')
        print(cust_balance)
elif choice == 4:
    try:
        cust_name=input('enter name of customer to withdraw money :')
        cust_balance[cust_name]
    except NameError as error:
        print("Invalid Name")
        exit()
    else:
        amount=int(input('enter amount to withdraw'))
        #if
        try:
            cust_balance[cust_name] > amount
            cust_balance[cust_name]-=amount
            print(cust_balance)
        except:
            print('Insufficient funds in account')
            exit()
elif choice == 5:
    try:
        cust_name=input('Enter name of customer:').lower()
        a=cust_trans[cust_name]
        print(a[0-3:])
    except NameError as error:
        print('Invalid Name')
        exit()
elif choice == 6:
    print("Thank you ..Have a nice day")
    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:Abhijeet

Account Added Successfully ['rahul', 'kartik', 'rajat', 'kunal', 'abhijeet']

- 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:rahul

Account Removed ['kartik', 'rajat', 'kunal', 'abhijeet']

```
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:3
enter name of customer to deposit money :rahul
enter amount to deposit5000
Amount Deposited in rahul account is:
{'rahul': 48200, 'kartik': 76590, 'rajat': 98734, 'kunal': 23450}
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:4
enter name of customer to withdraw money :rahul
enter amount to withdraw5000
{'rahul': 43200, 'kartik': 76590, 'rajat': 98734, 'kunal': 23450}
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 ..Have a nice day
```