

Bank Project

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2.1 Bank Project

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[1]: def accountopening():
    account={}
    print("ENTER YOUR NAME:")
    account["Name"]=input().capitalize()
    account["Balance"]=0
    account["Transactions"]=[]
    print(f"Account for {account["Name"]} created with balance_
↪{account["Balance"]}$.")
    return account

def deposit():
    try:
        amount=0
        print("Enter A Number To Deposit")
        inp=float(input())

        if inp<0:
            print("Enter A Value Greater Than 0")
            return 0
        else:
            amount=inp
            return amount
    except:
        pass

def withdraw():
    try:
        ammount=0
        print("Enter A Number To Withdraw")
        inp=float(input())
        if inp<0:
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        print("Enter A Value Greater Than 0")
        return 0
    else:
        ammount=inp
        return ammount
except:
    pass

```

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[2]: data=0
if_running=True
print("Welcome to Huzaifa Bank Pvt. Ltd.")
while if_running:
    print("Please Selecet (1) To Open An Account And Then Select A Choice From_
↪(2-6)\n1.Account Opening\n2.Check Balance\n3.Deposit Ammount\n4.Withdraw_
↪Ammount\n5.Account Statment\n6.Exit")
    try:
        num=int(input())
    except:
        print("Enter A Number")
    if num==1:
        data=accountopening()
    elif num==2:
        print(f"Current balance is {data["Balance"]}$.")
    elif num==3:
        try:
            ammount=deposit()
            data["Balance"]+=ammount
            print(f"{data["Name"]} deposited {ammount}$.New balance is now_
↪{data["Balance"]}$.")
            data["Transactions"].append(ammount)
        except:
            print("Please Enter A Number")
    elif num==4:
        try:
            ammount=withdraw()
            if ammount>data["Balance"]:
                print("Insufficient Balance")
            else:
                data["Balance"]-=ammount
                print(f"{data["Name"]} withdrew {ammount}$.New balance is now_
↪{data["Balance"]}$.")
                data["Transactions"].append(-ammount)
        except:
            print("Please Enter A Number")
    elif num==5:
        blnc=0
        print(f"Account Statement of {data["Name"]}")

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    for a in data["Transactions"]:
        if a >0:
            blnc+=a
            print(f"--Deposited: {a}$. New Balance: {blnc}$.")
        elif a<0:
            blnc+=a
            print(f"--Withdrawal: {-a}$. New Balance: {blnc}$.")
    elif num ==6:
        if_running=False
        print("Thank You For Using Our Services")
    else:
        print("Please Enter A Valid Choice")

```

Welcome to Huzaifa Bank Pvt. Ltd.

Please Selecet (1) To Open An Account And Then Select A Choice From (2-6)

- 1.Account Opening
- 2.Check Balance
- 3.Deposit Ammount
- 4.Withdraw Ammount
- 5.Account Statment
- 6.Exit

1

ENTER YOUR NAME:

huzaifa

Account for Huzaifa created with balance 0\$.

Please Selecet (1) To Open An Account And Then Select A Choice From (2-6)

- 1.Account Opening
- 2.Check Balance
- 3.Deposit Ammount
- 4.Withdraw Ammount
- 5.Account Statment
- 6.Exit

2

Current balance is 0\$.

Please Selecet (1) To Open An Account And Then Select A Choice From (2-6)

- 1.Account Opening
- 2.Check Balance
- 3.Deposit Ammount
- 4.Withdraw Ammount
- 5.Account Statment
- 6.Exit

3

Enter A Number To Deposit

45

Huzaifa deposited 45.0\$.New balance is now 45.0\$.

Please Selecet (1) To Open An Account And Then Select A Choice From (2-6)

- 1.Account Opening
- 2.Check Balance
- 3.Deposit Ammount
- 4.Withdraw Ammount
- 5.Account Statment
- 6.Exit

4

Enter A Number To Withdraw

30

Huzaifa withdrew 30.0\$.New balance is now 15.0\$.

Please Selecet (1) To Open An Account And Then Select A Choice From (2-6)

- 1.Account Opening
- 2.Check Balance
- 3.Deposit Ammount
- 4.Withdraw Ammount
- 5.Account Statment
- 6.Exit

5

Account Statement of Huzaifa

--Deposited: 45.0\$. New Balance: 45.0\$.

--Withdrawal: 30.0\$. New Balance: 15.0\$.

Please Selecet (1) To Open An Account And Then Select A Choice From (2-6)

- 1.Account Opening
- 2.Check Balance
- 3.Deposit Ammount
- 4.Withdraw Ammount
- 5.Account Statment
- 6.Exit

6

Thank You For Using Our Services

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