

Bank Project

Program:

```
# Bank Application Using Dictionary

# Dictionary to store customer data

bank_accounts={}

def create_account(): # function to create account

    acc_number=input("Enter Account Number : ")

    if acc_number in bank_accounts:

        print("Account already exists")

    else:

        name=input("Enter account holder_name:") ### - - - - -Account holder_name (repeat)

        # bank_accounts[acc_number]={"name":name,"balance":0} - - - - -# ##

        # ( Here acc_number is key it should not repeat ) It will save as

        # {"acc_number":{"name":name,"balance":0} }->here acc_number is (KEY)&
        # {"name":name,"balance":0} is (VALUE) - - - - -# ##

        print(f" Account Created for {name} with account_number {acc_number}")

#####-----Deposit Function-----#####

# Function to deposit

def deposit():

    acc_number=input("Enter Account Number:")
```

```
if acc_number in bank_accounts:

    amount=float(input("Enter amount to deposit: "))

    if amount>0:

        bank_accounts[acc_number]["balance"]+=amount

        print(f'Deposited {amount}. Current Balance:{bank_accounts[acc_number]["balance"]}')

    else:

        print("Invalid Deposit Amount")

else:

    print("Account not Found")
```

#####-----Deposit Function (END)-----#####

#####-----Withdraw Account-----#####

```
def withdraw():

    acc_number=input("Enter Account Number:")

    if acc_number in bank_accounts:

        amount=float(input("Enter amount to withdraw: "))

        if 0<amount<=bank_accounts[acc_number]["balance"]:

            bank_accounts[acc_number]["balance"]-=amount

            print(f'Withdrawn {amount}. Current Balance:{bank_accounts[acc_number]["balance"]}')

        else:

            print("Insufficient Funds or Invalid Amount")

    else:

        print("Account not Found")
```

#####-----Withdraw Account (END)-----#####

```

def checkbalance():

    acc_number=input("Enter your Account Number :")

    if acc_number in bank_accounts:

        print(f' Account Holder:{bank_accounts[acc_number]["name"]}') ###- - -Here it will print
Account holder name- - - -###

        print(f' Current Balance:{bank_accounts[acc_number]["balance"]}') ###- - -Here it will print
current balance - - - -###

    else:

        print("Account not found")

def menu():

    while True:

        print("-----Bank Menu-----")

        print("1.Create Account")

        print("2.Deposit Money")

        print("3.Withdraw Money")

        print("4.Current Balance")

        print("5.Exit")

        choice=input("Enter your choice(1-5) : ")

        if choice=='1':

            create_account()

        elif choice=='2':

            deposit()

        elif choice=='3':

            withdraw()

        elif choice=='4':

```

```
        checkbalance()

    elif choice=='5':

        print("Thankyou for using the application")

        break

    else:

        print("Invalid Choice")

menu() # program Execution starts from here
```

Output:

```
D:\python_fullstack\pyhton_projects\NORMAL-PROJECT-WITHOUT-USING-FRONT-END AND  
BACKEND>python project.py
```

```
----- Bank Menu -----
```

- 1.Create Account
- 2.Deposit Money
- 3.Withdraw Money
- 4.Current Balance
- 5.Exit

```
Enter your choice(1-5) : 1
```

```
Enter Account Number : 100
```

```
Enter account holder_name: Gayathri Binamoni
```

```
Account Created for Gayathri Binamoni with account_number 100
```

```
----- Bank Menu -----
```

- 1.Create Account
- 2.Deposit Money
- 3.Withdraw Money
- 4.Current Balance
- 5.Exit

```
Enter your choice(1-5) : 2
```

```
Enter Account Number:100
```

```
Enter amount to deposit: 500
```

```
Deposited 500.0. Current Balance:500.0
```

```
----- Bank Menu -----
```

- 1.Create Account

2.Deposit Money

3.Withdraw Money

4.Current Balance

5.Exit

Enter your choice(1-5) : 3

Enter Account Number:100

Enter amount to withdraw: 200

Withdrawn 200.0. Current Balance:300.0

----- Bank Menu -----

1.Create Account

2.Deposit Money

3.Withdraw Money

4.Current Balance

5.Exit

Enter your choice(1-5) : 4

Enter your Account Number :100

Account Holder:gayu

Current Balance:300.0

----- Bank Menu -----

1.Create Account

2.Deposit Money

3.Withdraw Money

4.Current Balance

5.Exit

Enter your choice(1-5) : 5

Thankyou for using the application

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