

```
In [2]: # Name : Pranita Pramod Patil
# Project name : ATM project

# ATM class
# withdraw
# deposit
# balance check
# pin set
# balance
# pin

class ATM:
    _pin = ""
    _balance = 0

    def __init__(self, bank_name):
        self.name = bank_name
        print("Welcome to {} bank ATM".format(self.name))
        self.menu()

    def menu(self):
        choice = int(input("""Please select the option
        1. PIN Set
        2. Balance check
        3. Deposit
        4. Withdraw
        5. Exit
        : """))
        if choice == 1:
            self.set_pin()
        elif choice == 2:
            self.check_balance()
        elif choice == 3:
            self.deposit()
        elif choice == 4:
            self.withdraw()
        elif choice == 5:
            print("Thank You for banking with {}.".format(self.name))
            return
```

```
def set_pin(self):
    self._pin = input("Enter new pin : ")

def check_balance(self):
    check = input("Enter your PIN : ")
    if check == self._pin:
        print("Your account balance is",self._balance)
    else:
        print("Wrong pin")
        print("Thank You for banking with {}".format(self.name))

def deposit(self):
    check = input("Enter you PIN : ")
    if check == self._pin:
        amount = int(input("Enter amount to deposit : "))
        self._balance += amount
        print("amount is deposited....")
    else:
        print("wrong pin")
        print("Thank you for banking with {}".format(self.name))

def withdraw(self):
    check = input("Enter your PIN : ")
    if check == self._pin:
        amount = int(input("Enter amount to deposit.. : "))
        if amount <= self._balance:
            self._balance -= amount
            print(f"{amount}Amount is deducted")
        else:
            print("Insufficient balance..")
            print("Amount is not deducted")
    else:
        print("Wrong pin")
        print("Thank You for banking with {}".format(self.name))
```

In [3]: `sbi = ATM("SBI")`

```
Welcome to SBI bank ATM
Please select the option
    1. PIN Set
    2. Balance check
    3. Deposit
    4. Withdraw
    5. Exit
    : 1
Enter new pin : 2222
```

In [4]: `sbi.check_balance()`

```
Enter your PIN : 2222
Your account balance is 0
```

In [5]: `sbi.deposit()`

```
Enter you PIN : 2222
Enter amount to deposit : 30000
amount is deposited....
```

In [6]: `sbi.withdraw()`

```
Enter your PIN : 2222
Enter amount to deposit.. : 2000
2000Amount is deducted
```

In [7]: `sbi.check_balance()`

```
Enter your PIN : 2222
Your account balance is 28000
```

In [ ]: