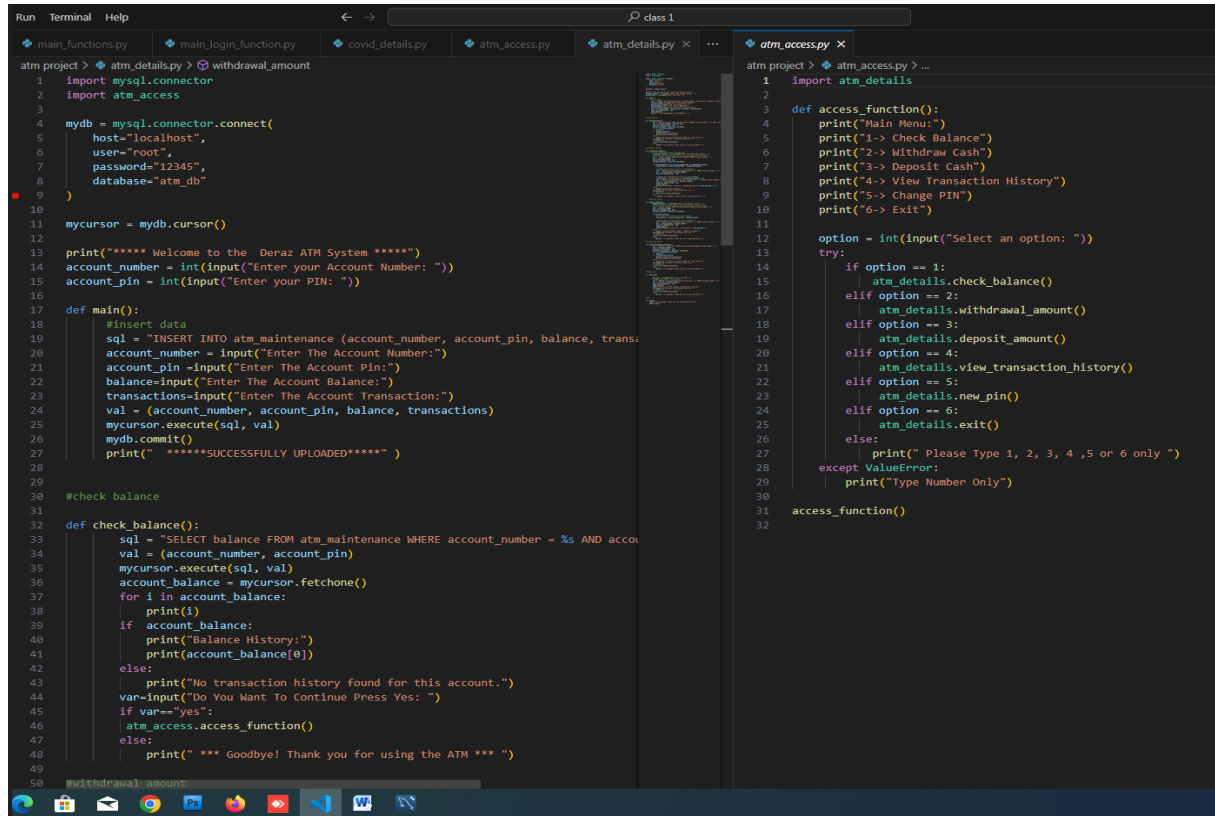


ATM MACHINE CONCEPT USING DATABASE:

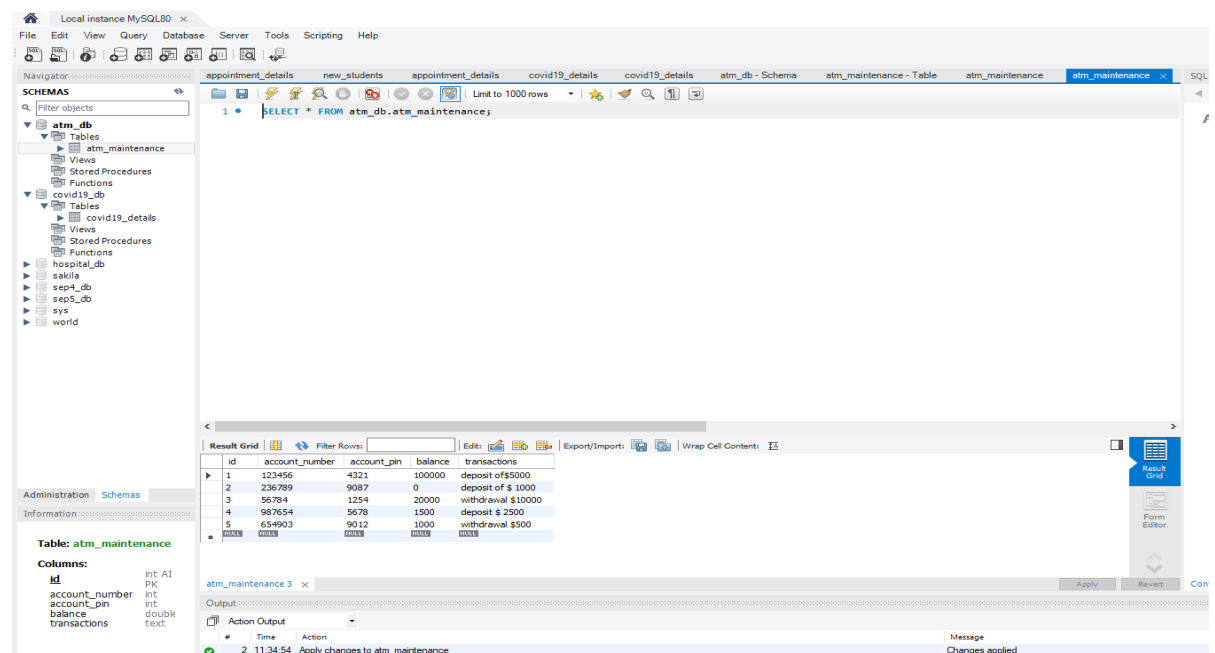
OUTPUT: Overview



```
Run Terminal Help
main_functions.py main_login_function.py covid_details.py atm_access.py atm_details.py atm_access.py
atm project > atm_details.py > withdrawal_amount
1 import mysql.connector
2 import atm_access
3
4 mydb = mysql.connector.connect(
5     host="localhost",
6     user="root",
7     password="12345",
8     database="atm_db"
9 )
10
11 mycursor = mydb.cursor()
12
13 print("***** Welcomes to the Beraz ATM System *****")
14 account_number = int(input("Enter your Account Number: "))
15 account_pin = int(input("Enter your PIN: "))
16
17 def main():
18     #insert data
19     sql = "INSERT INTO atm_maintenance (account_number, account_pin, balance, trans"
20     account_number = input("Enter The Account Number:")
21     account_pin = input("Enter The Account Pin:")
22     balance = input("Enter The Account Balance:")
23     transactions = input("Enter The Account Transaction:")
24     val = (account_number, account_pin, balance, transactions)
25     mycursor.execute(sql, val)
26     mydb.commit()
27     print(" *****SUCCESSFULLY UPLOADED***** ")
28
29 #check balance
30
31 def check_balance():
32     sql = "SELECT balance FROM atm_maintenance WHERE account_number = %s AND accou"
33     val = (account_number, account_pin)
34     mycursor.execute(sql, val)
35     account_balance = mycursor.fetchone()
36     for i in account_balance:
37         print(i)
38     if account_balance:
39         print("Balance History:")
40         print(account_balance[0])
41     else:
42         print("No transaction history found for this account.")
43         var = input("Do You Want To Continue Press Yes: ")
44         if var == "Yes":
45             atm_access.access_function()
46         else:
47             print(" *** Goodbye! Thank you for using the ATM *** ")
48
49 #withdrawal amount
50
```

```
atm project > atm_access.py > ...
1 import atm_details
2
3 def access_function():
4     print("Main Menu:")
5     print("1-> Check Balance")
6     print("2-> Withdraw Cash")
7     print("3-> Deposit Cash")
8     print("4-> View Transaction History")
9     print("5-> Change PIN")
10    print("6-> Exit")
11
12    option = int(input("Select an option: "))
13    try:
14        if option == 1:
15            atm_details.check_balance()
16        elif option == 2:
17            atm_details.withdrawal_amount()
18        elif option == 3:
19            atm_details.deposit_amount()
20        elif option == 4:
21            atm_details.view_transaction_history()
22        elif option == 5:
23            atm_details.new_pin()
24        elif option == 6:
25            atm_details.exit()
26        else:
27            print(" Please Type 1, 2, 3, 4 ,5 or 6 only ")
28    except ValueError:
29        print("Type Number Only")
30
31    access_function()
32
```

OUTPUT IN DATABASE :



Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

- Filter objects
- atm_db
 - Tables
 - atm_maintenance
 - Views
 - Stored Procedures
 - Functions
- covid19_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- hospital_db
- sakila
- seps4_db
- seps5_db
- sys
- world

Administration Schemas Information

Table: atm_maintenance

Columns:

- id int AI PK
- account_number int
- account_pin int
- balance double
- transactions text

Result Grid

id	account_number	account_pin	balance	transactions
1	123456	4321	100000	deposit of \$5000
2	236789	9087	0	deposit of \$ 10000
3	56784	1254	20000	withdrawal \$10000
4	987654	5678	1500	deposit \$ 2500
5	654903	9012	1000	withdrawal \$500

atm_maintenance 3 x

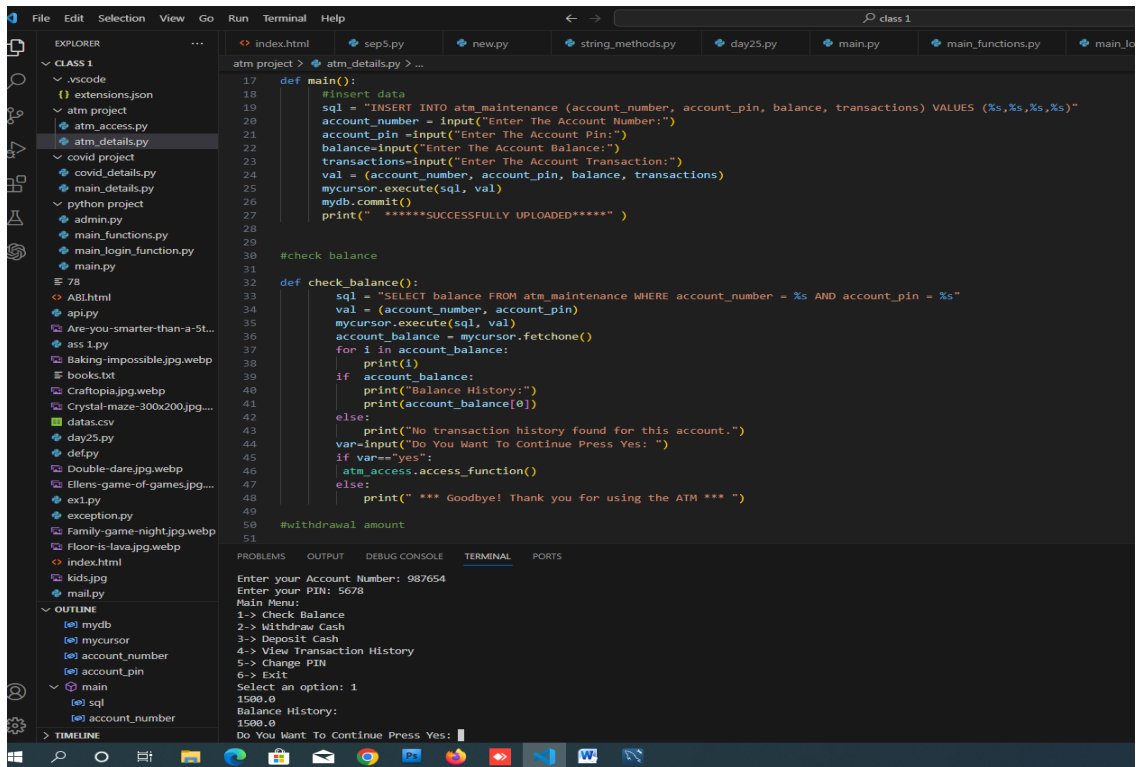
Output

Action Output

Time Action Message

2 11:34:54 Apply changes to atm_maintenance Changes applied

Output:FOR CHECK BALANCE



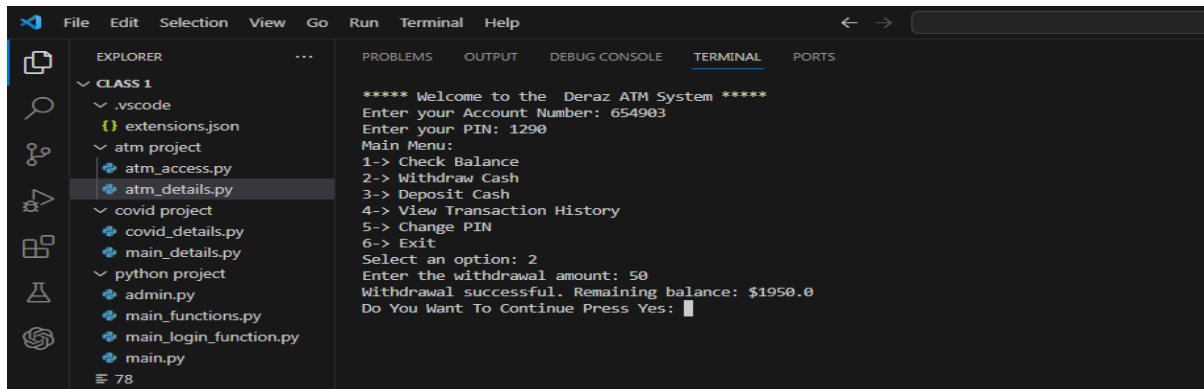
The screenshot shows a VS Code editor with a Python project named 'atm project'. The file explorer on the left shows the project structure, including files like 'atm_details.py', 'atm_access.py', 'covid_details.py', 'main_details.py', 'admin.py', 'main_functions.py', 'main_login_function.py', and 'main.py'. The main editor displays the code in 'atm_details.py', which includes a 'main()' function for user input and a 'check_balance()' function for querying the database. The terminal at the bottom shows the execution of the program, where the user enters account number 987654 and PIN 5678, and then selects option 1 to check the balance. The output shows the account balance as 1500.0.

```
17 def main():
18     #insert data
19     sql = "INSERT INTO atm_maintenance (account_number, account_pin, balance, transactions) VALUES (%s,%s,%s,%s)"
20     account_number = input("Enter The Account Number:")
21     account_pin = input("Enter The Account Pin:")
22     balance = input("Enter The Account Balance:")
23     transactions = input("Enter The Account Transaction:")
24     val = (account_number, account_pin, balance, transactions)
25     mycursor.execute(sql, val)
26     mydb.commit()
27     print(" *****SUCCESSFULLY UPLOADED***** ")
28
29
30 #check balance
31
32 def check_balance():
33     sql = "SELECT balance FROM atm_maintenance WHERE account_number = %s AND account_pin = %s"
34     val = (account_number, account_pin)
35     mycursor.execute(sql, val)
36     account_balance = mycursor.fetchone()
37     for i in account_balance:
38         print(i)
39     if account_balance:
40         print("Balance History:")
41         print(account_balance[0])
42     else:
43         print("No transaction history found for this account.")
44     var = input("Do You Want To Continue Press Yes: ")
45     if var == "yes":
46         atm_access.access_function()
47     else:
48         print(" *** Goodbye! Thank you for using the ATM *** ")
49
50 #withdrawal amount
51
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Enter your Account Number: 987654
Enter your PIN: 5678
Main Menu:
1-> Check Balance
2-> Withdraw Cash
3-> Deposit Cash
4-> View Transaction History
5-> Change PIN
6-> Exit
Select an option: 1
1500.0
Balance History:
1500.0
Do You Want To Continue Press Yes: 
```

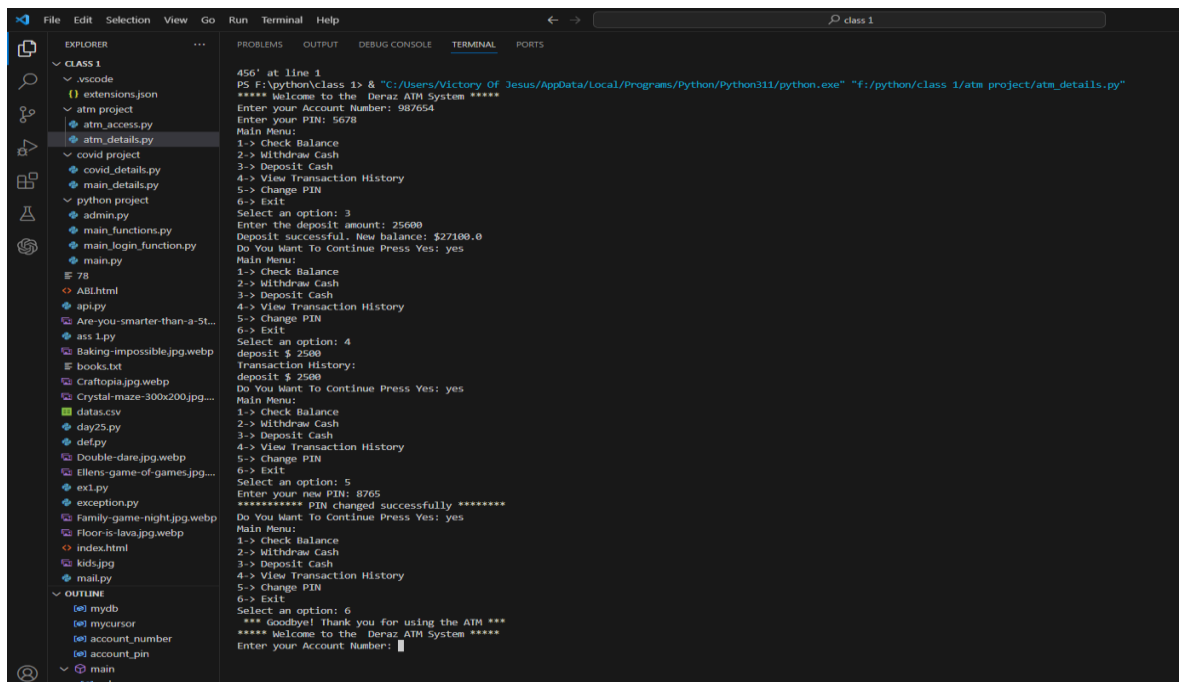
OUTPUT: FOR WITHDRAWAL BALANCE



The screenshot shows the terminal output of the ATM system. The user enters account number 654903 and PIN 1290. The main menu is displayed, and the user selects option 2 to withdraw cash. The program prompts for the withdrawal amount (50) and displays the remaining balance as \$1950.0. The user is then asked if they want to continue.

```
***** Welcome to the Deraz ATM System *****
Enter your Account Number: 654903
Enter your PIN: 1290
Main Menu:
1-> Check Balance
2-> Withdraw Cash
3-> Deposit Cash
4-> View Transaction History
5-> Change PIN
6-> Exit
Select an option: 2
Enter the withdrawal amount: 50
Withdrawal successful. Remaining balance: $1950.0
Do You Want To Continue Press Yes: 
```

OUTPUT: FOR Deposit Cash ,View Transaction History ,Change PIN ,Exit



```
456' at line 1
PS F:\python\class 1> & "C:/Users/Victory Of Jesus/AppData/Local/Programs/Python/Python311/python.exe" "f:/python/class 1/atm project/atm_details.py"
***** Welcome to the Deraz ATM System *****
Enter your Account Number: 987654
Enter your PIN: 5678
Main Menu:
1-> Check Balance
2-> Withdraw Cash
3-> Deposit Cash
4-> View Transaction History
5-> Change PIN
6-> Exit
Select an option: 3
Enter the deposit amount: 2500
Deposit successful. New balance: $27100.0
Do You Want To Continue Press Yes: yes
Main Menu:
1-> Check Balance
2-> Withdraw Cash
3-> Deposit Cash
4-> View Transaction History
5-> Change PIN
6-> Exit
Select an option: 4
deposit $ 2500
Transaction History:
deposit $ 2500
Do You Want To Continue Press Yes: yes
Main Menu:
1-> Check Balance
2-> Withdraw Cash
3-> Deposit Cash
4-> View Transaction History
5-> Change PIN
6-> Exit
Select an option: 5
Enter your new PIN: 8765
***** PIN changed successfully *****
Do You Want To Continue Press Yes: yes
Main Menu:
1-> Check Balance
2-> Withdraw Cash
3-> Deposit Cash
4-> View Transaction History
5-> Change PIN
6-> Exit
Select an option: 6
*** Goodbye! Thank you for using the ATM ***
***** Welcome to the Deraz ATM System *****
Enter your Account Number: 
```