

PRACTICAL-4

Aim: Implement JDBC by connecting with database and execute Callable Statement.

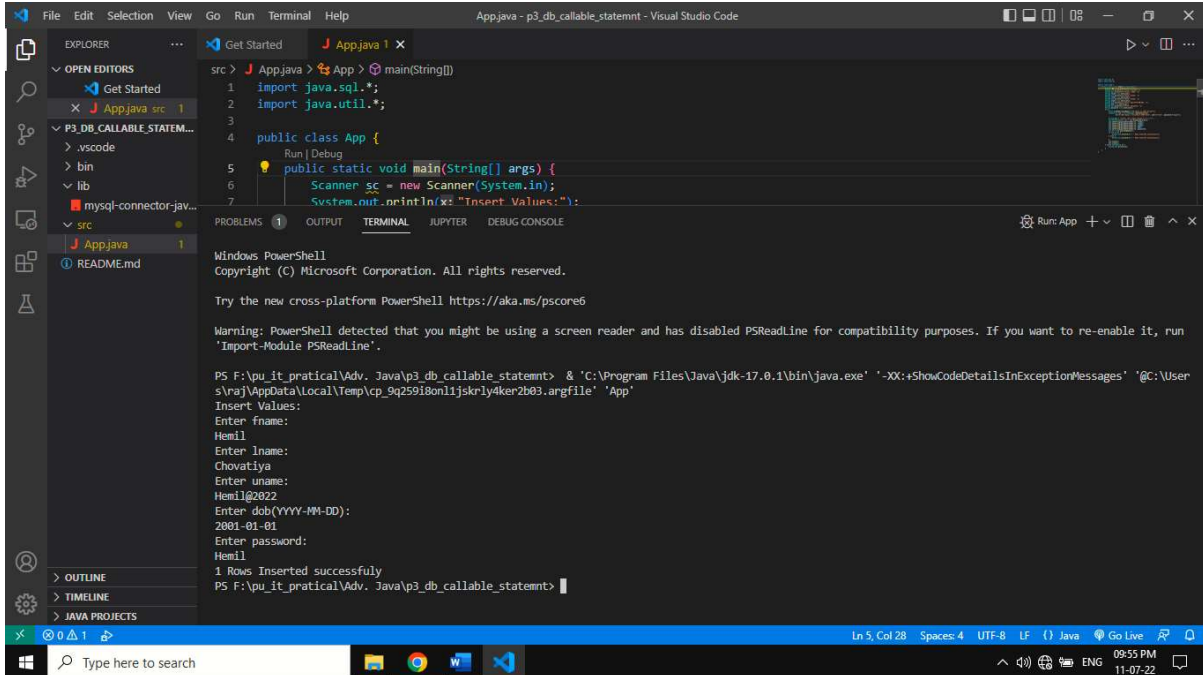
Code:

```
import java.sql.*;
import java.util.*;
public class App{
public static void main(String[] args)
{
    Scanner sc=new Scanner(System.in);
    System.out.println("Insert Values:");
    System.out.println("Enter fname: ");
    String fname = sc.nextLine();
    System.out.println("Enter lname: ");
    String lname = sc.nextLine();
    System.out.println("Enter uname: ");
    String uname = sc.nextLine();
    System.out.println("Enter dob(YYYY-MM-DD): ");
    String dob = sc.nextLine();
    System.out.println("Enter password: ");
    String password = sc.nextLine();
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection con = DriverManager.getConnection(
            "jdbc:mysql://localhost:3306/farm", "root", "mysql");

        String qry = "insert into login values(?,?,?,?)";
        CallableStatement cst = con.prepareCall(qry);
        cst.setString(1, fname);
        cst.setString(2, lname);
        cst.setString(3, uname);
        cst.setString(4, dob);
        cst.setString(5, password);
        int rs = cst.executeUpdate();
        if (rs >= 1) {
            System.out.println(rs+" Rows Inserted successfully");
        } else {
            System.out.println(rs+" Rows Inserted successfully");
        }
        cst.close();
        con.close();
    }
}
```

```
} catch (Exception e) {
    System.out.println(e);
} }
```

Output:



```
src > J Appjava > App > main(String[])
1 import java.sql.*;
2 import java.util.*;
3
4 public class App {
5     Run | Debug
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         System.out.println("Insert Values:");
9     }
10 }
```

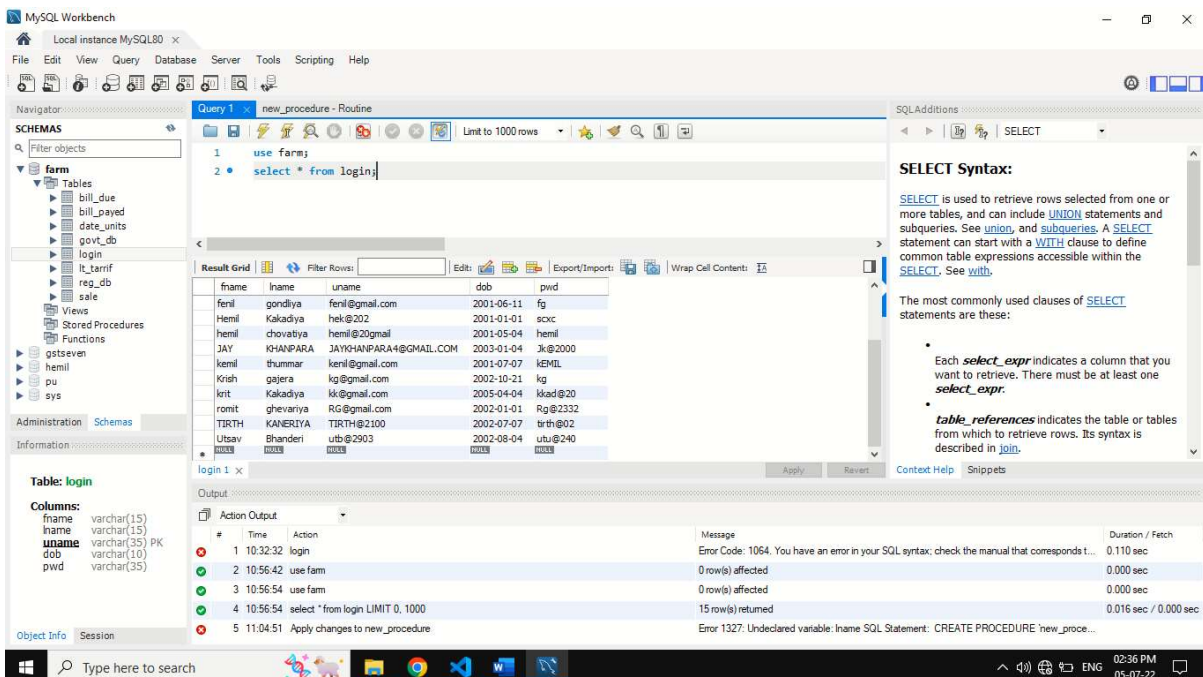
Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS F:\pu_it_practical\Adv. Java\p3_db_callable_statemnt> & 'C:\Program Files\Java\jdk-17.0.1\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '@C:\User\s\raj\AppData\Local\Temp\cp_9q25918on1jksrly4ker2b03.argfile' 'App'

Insert Values:
 Enter fname:
 Hemil
 Enter lname:
 Chovatiya
 Enter uname:
 Hemil@2022
 Enter dob(YYYY-MM-DD):
 2001-01-01
 Enter password:
 Hemil
 1 Rows Inserted successfully
 PS F:\pu_it_practical\Adv. Java\p3_db_callable_statemnt>



Query 1: new_procedure - Routine

```
1 use farm;
2 select * from login;
```

fname	lname	uname	dob	pwd
feril	gondliya	feril@gmail.com	2001-06-11	fg
Hemil	Kakadiya	hek@202	2001-01-01	scxc
hemil	chovatiya	hemil@20gmail	2001-05-04	hemil
JAY	KHANPARA	JAYKHANDPARA4@GMAIL.COM	2003-01-04	3k@2000
kemil	thumar	kenil@gmail.com	2001-07-07	KEHIL
Krish	gajera	kg@gmail.com	2002-10-21	kg
Kakadiya	kk@gmail.com	2005-04-04	kkad@20	
romit	ghevariya	RG@gmail.com	2002-01-01	Rg@2332
TIRTH	KANERIYA	TIRTH@2100	2002-07-07	trth@02
Utsav	Bhandari	utb@2903	2002-08-04	utb@240

Table: login

Columns:

- fname varchar(15)
- lname varchar(15)
- uname varchar(35) PK
- dob varchar(10)
- pwd varchar(35)

Output:

#	Time	Action	Message	Duration / Fetch
1	10:32:32	login	Error Code: 1064, You have an error in your SQL syntax; check the manual that corresponds to...	0.110 sec
2	10:56:42	use farm	0 row(s) affected	0.000 sec
3	10:56:54	use farm	0 row(s) affected	0.000 sec
4	10:56:54	select * from login LIMIT 0, 1000	15 row(s) returned	0.016 sec / 0.000 sec
5	11:04:51	Apply changes to new_procedure	Error 1327: Undeclared variable: lname SQL Statement: CREATE PROCEDURE 'new_proce...	