

MODERN WEB APPLICATION DEVELOPMENT

ASSESSMENT-03

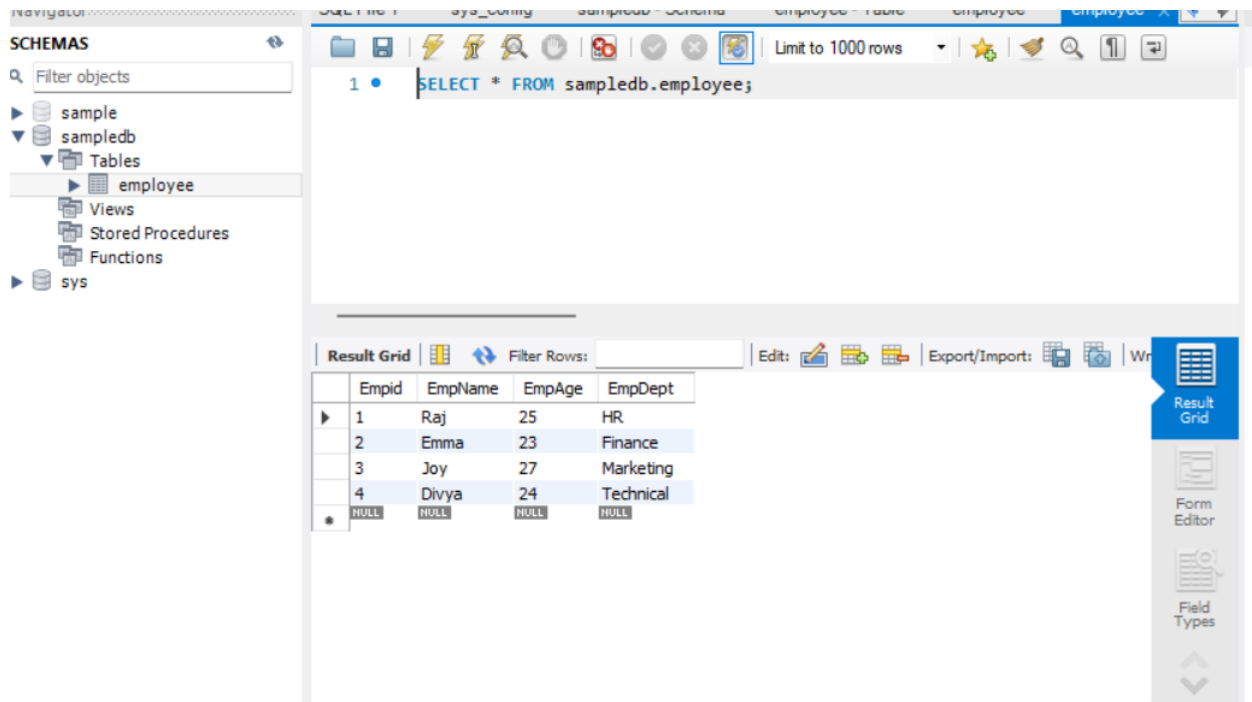
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Implementing JDBC connectivity using java

First, we must download and set up a MySql database.



The JDBC connection now requires that we complete 5 steps.

1. Register the driver

```
Class.forName("com.mysql.jdbc.Driver");
```

2. Connection

```
Connection conn=
```

```
DriverManager.getConnection("jdbc:mysql://localhost:3306/sampledb","root","tiger");
```

3. Statement

```
Statement stmt= conn.createStatement();
```

4. Execute Query

```
ResultSet rs= stmt.executeQuery("select * from employee");
```

```

while (rs.next()) {
    System.out.println(rs.getInt(1)+"
"+rs.getString(2)+" "+ rs.getInt(3)+" "+ rs.getString(4));
}

```

5. Close the connection

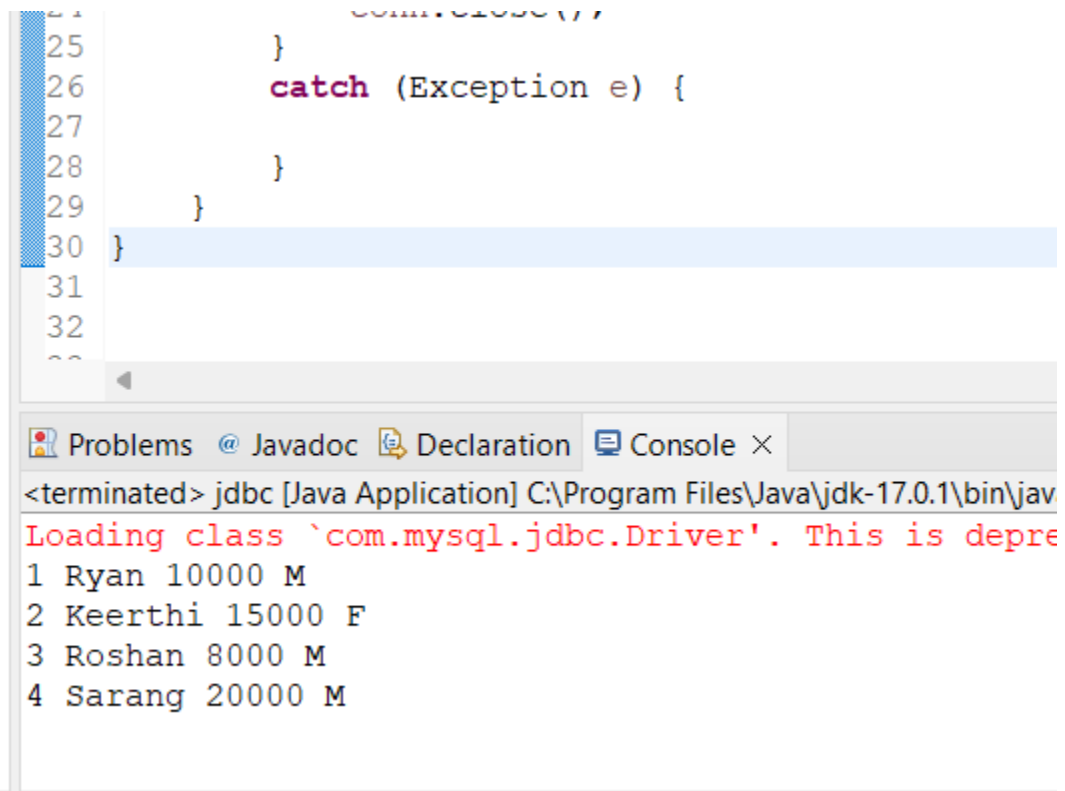
```
conn.close();
```

```

1 package sample;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
6 import java.sql.Statement;
7
8 public class jdbc {
9     public static void main(String args[]){
10         try
11         {
12             Class.forName("com.mysql.jdbc.Driver");
13
14             Connection conn= DriverManager.getConnection("jdbc:mysql://localhost:3306/sampledb","root","tiger");
15
16             Statement stmt= conn.createStatement();
17
18             ResultSet rs= stmt.executeQuery("select * from employee");
19
20             while (rs.next()) {
21                 System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+ rs.getInt(3)+" "+ rs.getString(4));
22             }
23
24             conn.close();
25         }
26         catch (Exception e) {
27
28         }
29     }
30 }

```

When we execute the Java code, we will see the output shown below:



The screenshot shows an IDE with a Java code editor and a console window. The code editor displays a try-catch block for a database connection. The console window shows the output of the program, including a warning about a deprecated driver and a list of four people with their IDs, names, and genders.

```
24         conn.close();  
25     }  
26     catch (Exception e) {  
27  
28     }  
29 }  
30 }  
31  
32  
33
```

Problems @ Javadoc Declaration Console ×

<terminated> jdbc [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\jav
Loading class `com.mysql.jdbc.Driver'. This is depre
1 Ryan 10000 M
2 Keerthi 15000 F
3 Roshan 8000 M
4 Sarang 20000 M