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20BCI0160
VIT VELLORE
MODERN APPLICATION DEVELOPMENT (JAVA SPRINGBOOT)

ASSIGNMENT 3

PERFORM JDBC OPERATIONS USING JAVA

```
create database family;

select * from family.person;

insert into family.person values('Ranjana', 20, 'Female', 'Trichy');

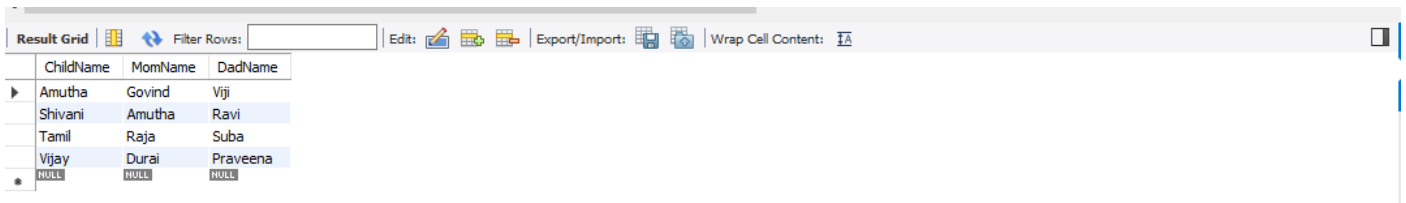
insert into family.person( Age, Gender ) values( 19, 'Female');

update family.person set Name='Shivani' ,Location='Chennai' where Age=19
and Gender='Female' and Name ='Null';

delete from family.person where Name='Ranjana';

insert into family.person values('Amutha', 45, 'Female', 'Trichy');

insert into family.person values('Ravi', 52, 'Female', 'Trichy');
```



ChildName	MomName	DadName
Amutha	Govind	Viji
Shivani	Amutha	Ravi
Tamil	Raja	Suba
Vijay	Durai	Praveena
Null	Null	Null

CODE :

//STATEMENT

```
package ModernAppDev;
```

```
import java.sql.DriverManager;
```

```
import java.sql.*;
```

```
public class Assignment3jdbc {
    public static void main(String[] args) {
        try {
```

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

```
            //URL Connection
            Connection
```

```
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/family","root","Amutha@1978");
```

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

```
//Execute Query
ResultSet rs=stmt.executeQuery("select * from parents");

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

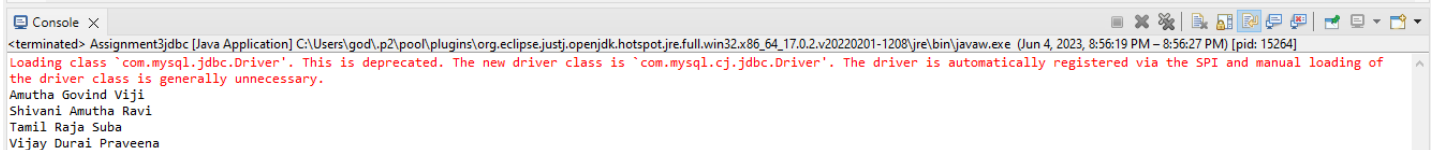
//Close the connection
conn.close();
}

catch(Exception e){
    e.printStackTrace();
}

}

}
```

OUTPUT:



<terminated> Assignment3jdbc [Java Application] C:\Users\god\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.2.v20220201-1208\jre\bin\javaw.exe (Jun 4, 2023, 8:56:19 PM - 8:56:27 PM) [pid: 15264]
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.
Amutha Govind Viji
Shivani Amutha Ravi
Tamil Raja Suba
Vijay Durai Praveena

CODE:

//PREPARED STATEMENT

```
package ModernAppDev;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.*;

public class Assignment3jdbc2 {
    public static void main(String[] args) {
        try {
            //Register the Driver
            Class.forName("com.mysql.jdbc.Driver");

            //URL Connection
            Connection
            conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/family","root","Amut
            ha@1978");

            //Statement
            PreparedStatement stmt=conn.prepareStatement("insert into
            parents values(?,?,?)");
            stmt.setString(1,"Ritish");
            stmt.setString(2, "Arun");
            stmt.setString(3, "Kavitha");
            //Execute Query
```

```
int result =stmt.executeUpdate();
System.out.println("result-->" +result);

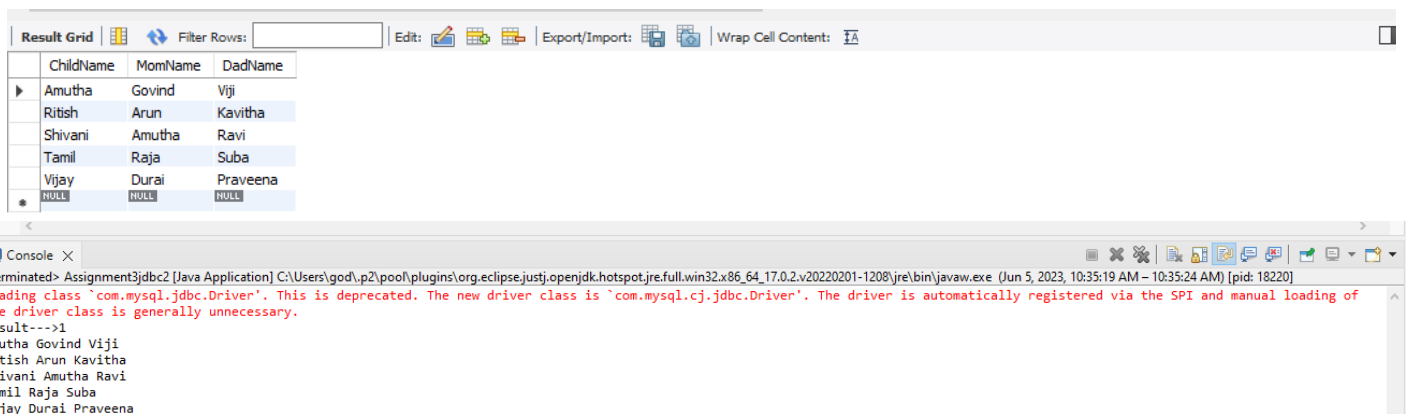
ResultSet rs=stmt.executeQuery("select * from parents");
while(rs.next()) {
    System.out.println(rs.getString(1)+"
"+rs.getString(2)+" "+rs.getString(3));
}

//Close the connection
conn.close();
}

catch(Exception e){
    e.printStackTrace();
}

}
```

OUTPUT:



The screenshot shows the Eclipse IDE interface. At the top, there is a 'Result Grid' tab with a table of data. Below it, the 'Console' tab is active, displaying the output of the Java application. The console output shows the same data as the Result Grid, along with a warning message about the deprecated MySQL JDBC driver.

ChildName	MomName	DadName
Amutha	Govind	Viji
Ritish	Arun	Kavitha
Shivani	Amutha	Ravi
Tamil	Raja	Suba
Vijay	Durai	Praveena
NULL	NULL	NULL

Console Output:

```
<terminated> Assignment3jdbc2 [Java Application] C:\Users\god\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jun 5, 2023, 10:35:19 AM - 10:35:24 AM) [pid: 18220]
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading of the driver class is generally unnecessary.
result--->1
Amutha Govind Viji
Ritish Arun Kavitha
Shivani Amutha Ravi
Tamil Raja Suba
Vijay Durai Praveena
```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	Name	Age	Gender	Location
*	NULL	NULL	NULL	NULL