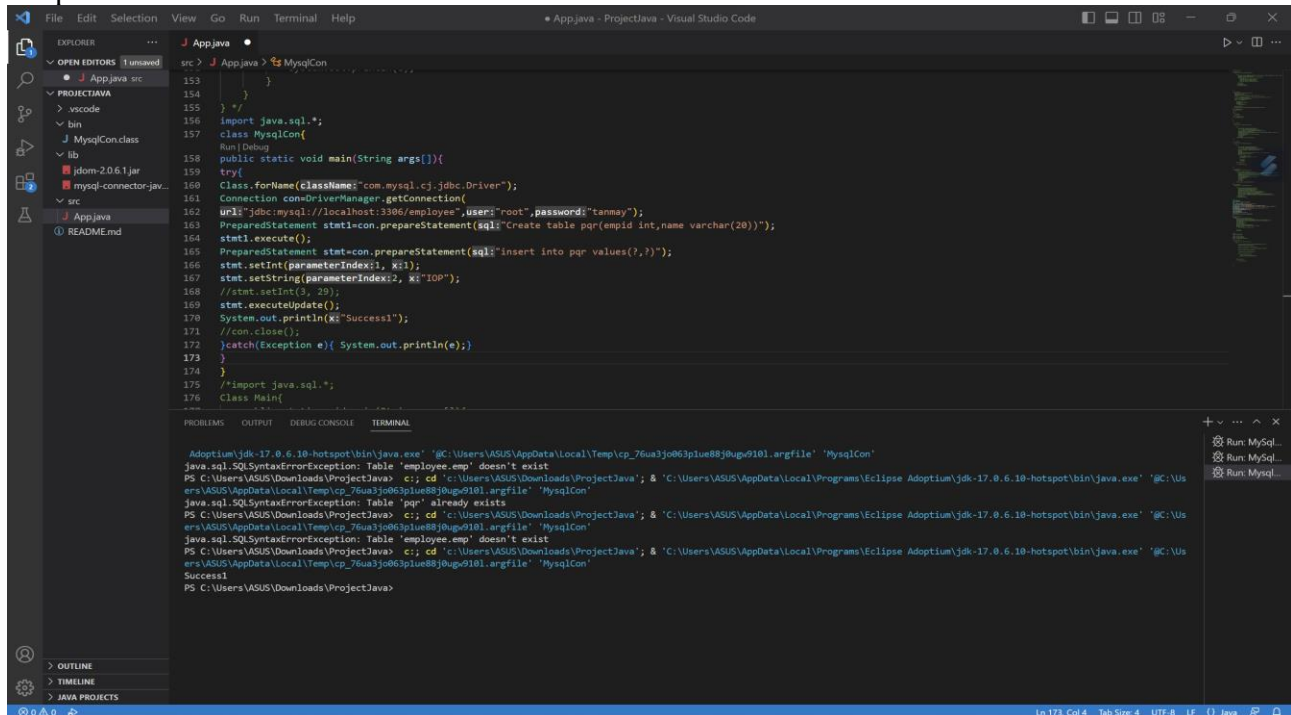**Assignment 3**

Q)Implement java assignment for JDBC using Java.

Code

```java
import java.sql.*;
class MysqlCon{
public static void main(String args[]){
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection con=DriverManager.getConnection(
"jdbc:mysql://localhost:3306/employee","root","tanmay");
PreparedStatement stmt1=con.prepareStatement("Create table pqr(empid int,name
varchar(20))");
stmt1.execute();
PreparedStatement stmt=con.prepareStatement("insert into pqr values(?,?)");
stmt.setInt(1, 1);
stmt.setString(2, "IOP");
//stmt.setInt(3, 29);
stmt.executeUpdate();
System.out.println("Success1");
//con.close();
}catch(Exception e){ System.out.println(e);}
}
}
```

Output

Table

Extracting the same data using JDBC

```java
import java.sql.*;

class MySqlCon{
    public  static void main(String args[]){

        try{
            Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/employee","root","tanmay");
            Statement s=conn.createStatement();
            ResultSet rs=s.executeQuery("Select * from department");
            while(rs.next()){
                System.out.println(rs.getInt("empid"));
                System.out.println(rs.getString("name"));
                System.out.println(rs.getInt("age"));
                System.out.println(rs.getString("desig"));
            }
            conn.close();
            rs.close();
        }catch(SQLException e){
            System.out.println(e);

        }
}
```

```
    }

}
```

Output

```
File   Edit   Selection   View   Go   Run   Terminal   Help
```

src > App.java > MySqlCon > main(String[])
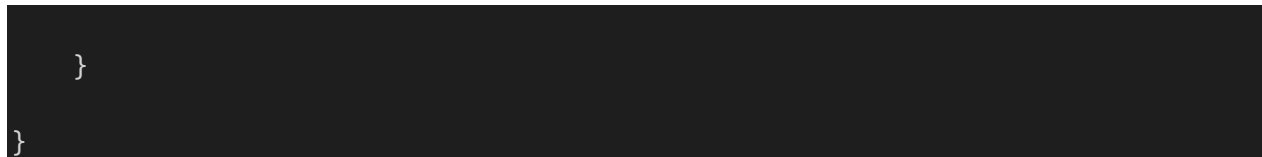
```java
class MySqlCon{
    Run | Debug
    public  static void main(String args[]){

        try{
            Connection conn=DriverManager.getConnection(url:"jdbc:mysql://localhost:3306/employee",user:"root",password:"tanmay");
            Statement s=conn.createStatement();
            ResultSet rs=s.executeQuery(sql:"Select * from department");
            while(rs.next()){
                System.out.println(rs.getInt(columnLabel:"empid"));
                System.out.println(rs.getString(columnLabel:"name"));
                System.out.println(rs.getInt(columnLabel:"age"));
                System.out.println(rs.getString(columnLabel:"desig"));
            }
            conn.close();
            rs.close();
        }catch(SQLException e){
            System.out.println(e);

        }

    }

}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
Error: Could not find or load main class MySqlCon
Caused by: java.lang.ClassNotFoundException: MySqlCon
PS C:\Users\ASUS\Downloads\ProjectJava>  c:; cd 'c:\Users\ASUS\Downloads\ProjectJava'; & 'C:\Users\ASUS\AppData\Local\Programs\Eclipse Adoptium\jdk-17.0.6.10-hotspot\bin\java.exe' '@C:\Us
ers\ASUS\AppData\Local\Temp\cp_76ua3jo063p1ue88j0ugw9l0l.argfile' 'MySqlCon'
1
Andrew
21
Manager
2
Amit
25
Assistant Manager
3
Ashok
26
Manager
4
John
27
Senior Manager
PS C:\Users\ASUS\Downloads\ProjectJava>
```

Run: MySql...
Run: MySql...
Run: Mysql...

Ln 17, Col 24   Tab Size: 4   UTF-8   LF   {} Java