```
import java.sql.*;

public class StudentDB {

    Connection con;

    public StudentDB() {
    try {
        Class.forName( "oracle.jdbc.driver.OracleDriver" );
    }
    catch ( ClassNotFoundException e ) {
        e.printStackTrace();
    }

    try {
        con = DriverManager.getConnection( "jdbc:oracle:thin:@claros.cs.pur
    }

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

    public void getStudentsInDepartment( int department ) {
    String query = "Select sname from Student where deptid=" + department;

    try {
        Statement stmt = con.createStatement();
        ResultSet rs = stmt.executeQuery( query );

        while ( rs.next() ) {
        String name = rs.getString( "sname" );
        System.out.println( name );
        }
        rs.close();
        stmt.close();
    }
    catch ( SQLException e ) {
        e.printStackTrace();
    }
    }

    public void getStudentsInDepartmentPrepared ( int department ) {
    String stmt = "Select sname from Student where deptid=?";

    try {
        PreparedStatement ps = con.prepareStatement( stmt );
        ps.setInt( 1, department );
```

```
49
50          ResultSet rs = ps.executeQuery();
51
52          while ( rs.next() ) {
53          String sname = rs.getString( "sname" );
54
55          System.out.println( sname );
56          }
57          rs.close();
58          ps.close();
59      }
60      catch (SQLException e){}
61      }
62
63      public void getStudentsInClass( String cname ) {
64      String query = "Select snum from Enrolled where cname = '" + cname + "'
65      try {
66          Statement stmt = con.createStatement();
67          ResultSet rs = stmt.executeQuery( query );
68
69          while ( rs.next() ) {
70          int snum = rs.getInt( "snum" );
71          String nestedQuery = "Select sname from Student where snum=" + snum
72          Statement stmtNested = con.createStatement();
73          ResultSet rsNested = stmtNested.executeQuery( nestedQuery );
74
75          while ( rsNested.next() ) {
76              String sname = rsNested.getString( "sname" );
77              System.out.println( sname );
78          }
79          rsNested.close();
80          stmtNested.close();
81          }
82
83          rs.close();
84          stmt.close();
85      }
86      catch ( SQLException e ) {
87
88      }
89      }
90
91      public void enroll( int snum, String cname ) {
92          String update = "insert into Enrolled values(" + snum + ",'" + cnam
93          try {
94              Statement stmt = con.createStatement();
95              stmt.executeUpdate( update );
96              stmt.close();
```

```
97          }
98          catch ( SQLException e ) {}
99      }
100
101     public static void main( String [] args ) {
102     StudentDB sdb = new StudentDB();
103     sdb.getStudentsInDepartment(1);
104
105     System.out.println( "-----------------" );
106
107     //sdb.enroll( 418, "ENG400" );
108
109     sdb.getStudentsInDepartmentPrepared(1);
110     }
111
112 }
```