Question : how to connect mysql database with linux operating system?

Answer:

Mysql connection with java programming language in linux operating system is given below:

import java.sql.\*;

public class MySQL {

public MySQL() {

Connection conn = null;

Statement stmt = null;

ResultSet rset = null;

String url;

String username = "student";

String password = "student";

String database = "studentdb";

String hostname = "localhost";

String port = "3306";

String sql;

try {

url = "jdbc:mysql://" + hostname + ":" + port + "/" + database;

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

conn = DriverManager.getConnection (url, username, password);

sql = "SELECT version()";

stmt = conn.createStatement();

rset = stmt.executeQuery(sql);

System.out.println ("Database connection established");

while (rset.next()) {

System.out.println("MySQL Version [" + rset.getString(1) + "]"); }

}

catch (SQLException e) {

System.err.println ("Cannot connect to database server:");

System.out.println(e.getMessage());

}

catch (ClassNotFoundException e) {

System.err.println ("Cannot connect to database server:");

System.out.println(e.getMessage());

}

catch (InstantiationException e) {

System.err.println ("Cannot connect to database server:");

System.out.println(e.getMessage());

}

catch (IllegalAccessException e) {

System.err.println ("Cannot connect to database server:");

System.out.println(e.getMessage());

}

finally {

if (conn != null) {

try {

rset.close();

stmt.close();

conn.close();

System.out.println ("Database connection terminated");

}

catch (Exception e) { }

}

}

}

public static void main(String args[]) {

new MySQL();

}

}