How to create a procedure in PL/SQL?

Create a procedure to retrieve Name of the product from Id

create or replace procedure getNameById(tpid IN number,tpname OUT varchar2)

IS

begin

select pname into tpname from product where pid=tpid;

end;

/

How to call the above procedure from JDBC?

**package** com.sssit.product.controller;

**import** java.sql.CallableStatement;

**import** java.sql.Connection;

**import** java.sql.SQLException;

**import** java.sql.Types;

**import** java.util.Scanner;

**import** com.sssit.product.util.JDBCConnection;

**public** **class** RetrieveNameById {

**public** **static** **void** main(String[] args) {

**try** {

Connection con = JDBCConnection.*getConnection*();

**final** String SQLQUERY = "{call getNameById(?,?)}";

CallableStatement cstmt = con.prepareCall(SQLQUERY);

Scanner ip = **new** Scanner(System.***in***);

System.***out***.println("Enter Product Id:");

**int** pid = ip.nextInt();

cstmt.setInt(1, pid);

cstmt.registerOutParameter(2, Types.***VARCHAR***);

cstmt.execute();

System.***out***.println("Product Name is:" + cstmt.getString(2));

} **catch** (SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

**if**(e.getErrorCode()==1403)

System.***out***.println("Invalid Product Id");

**else**

e.printStackTrace();

}

}

}

How to define a function in PL-SQL

Write a PL-SQL function that accepts product id and retrieve the MRP of the product.

create or replace function getMRPById(tpid number)

return number

IS

tmrp product.mrp%type;

begin

select mrp into tmrp from product where pid=tpid;

return tmrp;

end;

/

How to call the above function from JDBC?

**package** com.sssit.product.controller;

**import** java.sql.CallableStatement;

**import** java.sql.Connection;

**import** java.sql.SQLException;

**import** java.sql.Types;

**import** java.util.Scanner;

**import** com.sssit.product.util.JDBCConnection;

**public** **class** RetrieveMRPById {

**public** **static** **void** main(String[] args) {

**try** {

Connection con = JDBCConnection.*getConnection*();

**final** String SQLQUERY = "{? = call getMRPById(?)}";

CallableStatement cstmt = con.prepareCall(SQLQUERY);

Scanner ip = **new** Scanner(System.***in***);

System.***out***.println("Enter Product Id:");

**int** pid = ip.nextInt();

cstmt.setInt(2, pid);

cstmt.registerOutParameter(1, Types.***NUMERIC***);

cstmt.execute();

System.***out***.println("Product MRP is:" + cstmt.getDouble(1));

} **catch** (SQLException e) {

// **TODO** Auto-generated catch block

**if**(e.getErrorCode()==1403)

System.***out***.println("Invalid Product Id");

**else**

e.printStackTrace();

}

}

}