Classic Approaches
A common C program line:  
#include <stdio.h>

But that is not C; rather, it's a . . .

Two varieties of embedded SQL:
Cursors

A Problem:

How many tuples will be produced by your query?

Preprocessor Examples

See the Sample Programs! (If available . . . )
ODBC vs. JDBC

ODBC:

JDBC:
JDBC

Core capabilities:

Some related technologies:

Using JDBC (1 / 4)

1. Establish connection to a data source
Using JDBC (2 / 4)

(c) Connect to the DBMS

Connection dbConnect = DriverManager.getConnection(
    "jdbc:oracle:thin:@host.foo.bar.com:1234:oracle",
    "username", "password");

Using JDBC (3 / 4)

2. Send SQL statements to that source
3. Process returned results and messages

Accessing MetaData with JDBC