# Assignment 11 – JDBC

Creating and using a database with SQL is a critical part of understanding databases. However, a database that you cannot connect to your website or other infrastructure systems is not very useful.

In Java, JDBC is the basic tool that we can use to connect Java to our database.

For this assignment, write a Java program that connects to your database. Ask for a username and password. Using JDBC, run a query, get the results back and print them to the screen.

Script adding a user with a password to the database in SQL. Grant the user the ability to run the query specified in JDBC.

***You must submit buildable .java files for credit.***

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| --- | --- | --- | --- | --- |
| Rubric | Poor | OK | Good | Great |
| Ask for credentials | No credentials (0) | Hard coded credentials (7) |  | Asks for credentials (20) |
| Connect to database | Unable to connect (0) | Attempts to connect (7) |  | Connects to database (20) |
| Run query | Unable to run query (0) |  |  | Runs query (20) |
| Frees resources | Doesn’t free (0) |  |  | Frees resources (20) |
| User added to database | User not added (0) |  |  | User added (20) |