

# RDB Coding (MySQL & C++)

For the code below, write MySQL C++ statements to do the following:

1. Create a table called **test** with two columns, **id** and **label** where **id** is an integer and **label** is 6 characters.
2. Insert a record into **test** with an **id = 2** and a **label = label1**.
3. Update the **label** of the inserted record to **label2**.
4. Write a query for **test** to list all the **labels** with an **id** less than 10.

```
sql::mysql::MySQL_Driver *driver;
sql::Connection *con; //to establish connection
sql::Statement *stmt; //to execute SQL statement
sql::ResultSet *res; //a place to store the query results

driver = sql::mysql::get_mysql_driver_instance();
con = driver->connect("mysql.eecs.ku.edu", "username", "password");
stmt = con->createStatement();
stmt->execute("USE username");

//Your answers go here

delete res;
delete stmt;
delete con;
```

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7  stmt = con->createStatement();
8  stmt->execute("USE username");
9  //Your answers go here
10
11 stmt->execute("CREATE TABLE test (id INT, label CHAR(6));");
12 stmt->execute("INSERT INTO test VALUES (2, 'label1');");
13 stmt->execute("UPDATE test SET label = 'label1' WHERE id = 2");
14 res = stmt->executeQuery("SELECT label FROM test WHERE id < 10;");
15 while(res->next()){
16     cout << res->getString("label") << endl;
17 }
18
19
20 delete res;
21 delete stmt;
22 delete con;
```