# W2D2 Homework

# Question 1

Table emp, order by ename increasing，which one or more are correct?

A.select ename , salary from emp   order by ename asc

B.select ename , salary from emp   order by ename desc

C.select ename , salary from emp   order by salary asc

D.select ename , salary from emp   order by ename  ;

ANSWER: A and D

# Question 2

Table EMPLOYEES

EMPLOYEE\_ID        NUMBER          Primary Key FIRST\_NAME             VARCHAR2(25) LAST\_NAME              VARCHAR2(25)

Which one insert one record to the table correctly?

A. INSERT INTO employees(employee\_id) VALUES (1000);

B. INSERT INTO employees (first\_name,last\_name) VALUES (‘John’,’Smith’);

 C. INSERT INTO employees VALUES(1000,’John’,’NULL’);

D. INSERT INTO employees VALUES (‘1000’,’John’);

ANSWER: C

# Question 3

SELECT name, rank, serialNo FROM employee.

Which one to get the value of first column of rs?

A. rs.getString(0);

B. rs.getString("name");

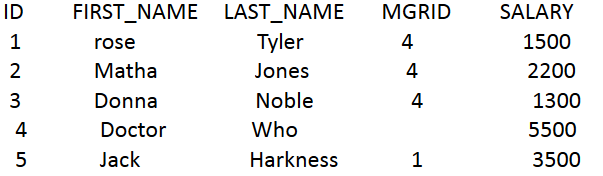
C. rs.getString(1);

D. rs.getString(“ename”);

ANSWER: C

# Question4

At first in database, create a table Employee, id is primary key.



1. Create a table, and insert a record to the table, and print out all the data in the table

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1. Modify the last\_name to “Tate” , and save it to database. And print out all the data in the table.



# Question 5

Why we use Class.forName?

The only use of Class.forName() is to ensure that the Driver is registered.

# Question 6

What’s the difference between Statement and PreparedStatement?

A Statement will always proceed for each SQL query sent to the database. (Executes immediately)

A Prepared Statement pre- compiled so faster for repeated execution. This is to lessen the load on the database engine at execution time.

# Question 7

How to close the resultset, statement and connection after we finished the database operation? Write the codes.

Connection con = DriverManager.getConnection(URL, un, pw);

Statement sql = con.createStatement();

ResultSet result =sql.executeQuery("SELECT \* FROM EMPLOYEE ORDER BY ID");

…

result.close();

sql.close();

con.close();