

Name ______ Date _____

SRD2021 - Lecture 6

Score _____

1. What is true for this code

SELECT concat(p.product_code, ' ', p.product_name) FROM product AS p;

- (A) Retrieves two columns and presents as two separate columns in the result set: product code and product name
- (B) Retrieves two columns (product code and product name) and presents as one single column in the result set
- (c) May retrieve more than two columns if product code is not unique
- (D) All the options are wrong
- 2. You want to retrieve the average salary by year
- A SELECT YEAR, AVG(s.salary)
 FROM employees AS e, salaries AS s
 WHERE e.emp_no = s.emp_no
 GROUP BY e.hire_date
- B SELECT e.hire_date, AVG(s.salary)
 FROM employees AS e, salaries AS s
 WHERE e.emp_no = s.emp_no
 GROUP BY e.hire_date
- C SELECT YEAR(e.hire_date) AS year, SUM(s.salary) FROM employees AS e, salaries AS s WHERE e.emp_no = s.emp_no GROUP BY YEAR(e.hire_date)
- D SELECT YEAR(e.hire_date) AS year, AVG(s.salary)
 FROM employees AS e, salaries AS s
 WHERE e.emp_no = s.emp_no
 GROUP BY YEAR(e.hire_date)
- 3. What is true about a view
- (A) It is a virtual table without physical rows
- (B) The name of the view cannot be the same as the table
- (c) The view does not physically store the data
- All the previous are true
- (E) None of the above

4. The trigger can be activated in the following events: (A) INSERT, UPDATE, DELETE (B) SELECT, INSERT, UPDATE, DELETE (c) INSERT and UPDATE (D) INSERT and DELETE 5. What is true about triggers: (A) Triggers do not affect performance (B) They may cause deadlock situations (c) Not appropriate for automatic auditing (**D**) Triggers are easy to debug **6.** What is true about the guery optimizer? (A) Usually generates multiple query plans. (B) Always generate one single query plan (\mathbf{c}) The developer can choose which query plan to execute (**D**) All options are wrong 7. Which query is more efficient (assume the id and name are unique and have indexes)? (A) SELECT * FROM tools WHERE name='Screwdriver'; (B) SELECT * FROM tools WHERE id=3; (c) SELECT * FROM tools WHERE name='Screwdriver' and id=3; (**D**) There is not difference in terms of efficiency among the three queries