

# FIT9132 Introduction to databases - S1 2022

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**Started on** Wednesday, 15 June 2022, 1:34 PM

**State** Finished

**Completed on** Wednesday, 15 June 2022, 4:00 PM

**Time taken** 2 hours 25 mins

**Marks** 13.00/15.00

**Grade** **8.67** out of 10.00 (87%)

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## Question 1

Correct

Mark 1.00 out of 1.00

Which SQL statement will list the names and phone numbers of vendors who supply any product with price above \$100?

Select one:

☐ a.

```
SELECT V_NAME, V_PHONE
FROM PRODUCT P JOIN VENDOR V ON P.V_CODE = V.V_CODE
WHERE P.P_PRICE <= 100;
```

☐ b.

```
SELECT V_NAME, V_PHONE
FROM PRODUCT P JOIN VENDOR V ON P.V_CODE = V.V_CODE
OR P.P_PRICE > 100;
```

☐ c.

```
SELECT V_NAME, V_PHONE
FROM PRODUCT P JOIN VENDOR V ON P.V_CODE = V.V_CODE
WHERE NOT (P.P_PRICE > 100);
```

☒ d. SELECT V\_NAME, V\_PHONE

```
FROM PRODUCT P JOIN VENDOR V ON P.V_CODE = V.V_CODE
WHERE P.P_PRICE > 100;
```

✓ Correct

The correct answer is: SELECT V\_NAME, V\_PHONE  
FROM PRODUCT P JOIN VENDOR V ON P.V\_CODE = V.V\_CODE  
WHERE P.P\_PRICE > 100;

Question **2**

Correct

Mark 1.00 out of 1.00

A(n) \_\_\_\_\_ is an alternate name given to a column or table in any SQL statement.

Select one:

- ☐ a. data type
- ☐ b. trigger
- ☒ c. alias
- ☐ d. stored function

✓ Correct

The correct answer is: alias

Question **3**

Correct

Mark 1.00 out of 1.00

Which query will output products sorted in ascending order by price?

Select one:

- ☐ a. 

```
SELECT P_CODE, P_DESCRIPT, P_QOH, P_PRICE
FROM PRODUCT
ORDER BY 1;
```
- ☒ b. 

```
SELECT P_CODE, P_DESCRIPT, P_QOH, P_PRICE
FROM PRODUCT
ORDER BY P_PRICE ASC;
```
- ☐ c. 

```
SELECT P_CODE, P_DESCRIPT, P_QOH, P_PRICE
FROM PRODUCT
ORDER BY P_PRICE DESC;
```
- ☐ d. 

```
SELECT P_CODE, P_DESCRIPT, P_QOH, P_PRICE
FROM PRODUCT
SORT BY P_PRICE;
```

✓ Correct

The correct answer is:

```
SELECT P_CODE, P_DESCRIPT, P_QOH, P_PRICE
FROM PRODUCT
ORDER BY P_PRICE ASC;
```

Question **4**

Correct

Mark 1.00 out of 1.00

The special operator used to check whether an attribute value is within a range of values is \_\_\_\_\_.

Select one:

- ☐ a. NULL
- ☒ b. BETWEEN
- ☐ c. LIKE
- ☐ d. IN

✓ Correct

The correct answer is: BETWEEN

#### Question 5

Correct

Mark 1.00 out of 1.00

Which query will output the table contents when the value of V\_CODE is NOT equal to 21344?

Select one:

- ☐ a. 

```
SELECT P_DESCRIPTOR, P_INDATE, P_PRICE, V_CODE
FROM PRODUCT
WHERE V_CODE <= 21344;
```
- ☐ b. 

```
SELECT P_DESCRIPTOR, P_INDATE, P_PRICE, V_CODE
FROM PRODUCT
WHERE V_CODE => 21344;
```
- ☐ c. 

```
SELECT P_DESCRIPTOR, P_INDATE, P_PRICE, V_CODE
FROM PRODUCT
WHERE V_CODE = 21344;
```
- ☒ d. 

```
SELECT P_DESCRIPTOR, P_INDATE, P_PRICE, V_CODE
FROM PRODUCT
WHERE V_CODE <> 21344;
```

✓ Correct

The correct answer is:

```
SELECT P_DESCRIPTOR, P_INDATE, P_PRICE, V_CODE
FROM PRODUCT
WHERE V_CODE <> 21344;
```

#### Question 6

Correct

Mark 1.00 out of 1.00

Which query will output the table contents when the value of the string field P\_DESCRIPTOR include the word 'hammer'?

Select one:

- ☐ a. 

```
SELECT P_CODE, P_DESCRIPTOR, P_QOH, P_MIN, P_PRICE
FROM PRODUCT
WHERE P_DESCRIPTOR include 'hammer';
```
- ☐ b. 

```
SELECT P_CODE, P_DESCRIPTOR, P_QOH, P_MIN, P_PRICE
FROM PRODUCT
WHERE P_DESCRIPTOR = '%hammer%';
```

- ☐ c. `SELECT P_CODE, P_DESCRIPT, P_QOH, P_MIN, P_PRICE  
FROM PRODUCT  
WHERE P_DESCRIPT = 'hammer';`
- ☒ d. `SELECT P_CODE, P_DESCRIPT, P_QOH, P_MIN, P_PRICE  
FROM PRODUCT  
WHERE P_DESCRIPT like '%hammer%';`

✓ Correct

The correct answer is:

```
SELECT P_CODE, P_DESCRIPT, P_QOH, P_MIN, P_PRICE  
FROM PRODUCT  
WHERE P_DESCRIPT like '%hammer%';
```

#### Question 7

Correct

Mark 1.00 out of 1.00

ANSI-standard SQL allows the use of special operators in conjunction with the WHERE clause. A special operator used to check whether an attribute value is null is \_\_\_\_.

Select one:

- ☒ a. IS NULL
- ☐ b. LIKE
- ☐ c. IN
- ☐ d. BETWEEN

✓ Correct

The correct answer is: IS NULL

#### Question 8

Correct

Mark 1.00 out of 1.00

All SQL commands must be issued on a single line.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

#### Question 9

Correct

Mark 1.00 out of 1.00

The \_\_\_\_ function returns the current system date in Oracle.

Select one:

- ☐ a. TO\_DATE()
- ☐ b. DATE()
- ☒ c. SYSDATE()
- ☐ d. TODAY()

✓ Correct

The correct answer is: SYSDATE()

#### Question 10

Incorrect

Mark 0.00 out of 1.00

Which query is used to list a unique value for V\_CODE, where the list will produce only a list of those values that are different from one another?

Select one:

- ☒ a. SELECT UNIQUE V\_CODE  
FROM PRODUCT;
- ☐ b. SELECT DIFFERENT V\_CODE  
FROM PRODUCT;
- ☐ c. SELECT ONLY V\_CODE  
FROM PRODUCT;
- ☐ d. SELECT DISTINCT V\_CODE  
FROM PRODUCT;

✗ Incorrect

The correct answer is: SELECT DISTINCT V\_CODE  
FROM PRODUCT;

#### Question 11

Correct

Mark 1.00 out of 1.00

Which query will output the rows where the value of P\_PRICE is between 50 and 100 (inclusive)?

Select one:

- ☐ a. SELECT \*  
FROM PRODUCT  
WHERE P\_PRICE >= 50 OR P\_PRICE <=100;
- ☒ b. SELECT \*  
FROM PRODUCT  
WHERE P\_PRICE >= 50 AND P\_PRICE <=100;
- ☐ c. SELECT \*  
FROM PRODUCT  
WHERE P\_PRICE <= 50 AND P\_PRICE <=100;
- ☐ d. SELECT \*

✓ Correct

FROM PRODUCT

WHERE P\_PRICE <= 50 AND P\_PRICE >=100;

The correct answer is:

SELECT \*

FROM PRODUCT

WHERE P\_PRICE >= 50 AND P\_PRICE <=100;

### Question 12

Correct

Mark 1.00 out of 1.00

Which query produces the discount price and display the discount price in a column labelled DiscountPrice? Discount price is calculated as unit price (P\_PRICE) minus the product of discount rate (P\_DISCOUNT) and unit price (P\_PRICE).

Select one:

☐ a.

```
SELECT P_DESCRPT, P_MIN, P_PRICE, (P_PRICE - P_DISCOUNT) / P_PRICE AS DISCOUNTPRICE
FROM PRODUCT;
```

☒ b.

```
SELECT P_DESCRPT, P_MIN, P_PRICE, P_PRICE - (P_DISCOUNT * P_PRICE) AS DISCOUNTPRICE
FROM PRODUCT;
```

✓ Correct

☐ c.

```
SELECT P_DESCRPT, P_MIN, P_PRICE, P_PRICE / P_DISCOUNT - P_PRICE AS DISCOUNTPRICE
FROM PRODUCT;
```

☐ d.

```
SELECT P_DESCRPT, P_MIN, P_PRICE, (P_PRICE - P_DISCOUNT) * P_PRICE AS DISCOUNTPRICE
FROM PRODUCT;
```

The correct answer is:

```
SELECT P_DESCRPT, P_MIN, P_PRICE, P_PRICE - (P_DISCOUNT * P_PRICE) AS DISCOUNTPRICE
FROM PRODUCT;
```

### Question 13

Incorrect

Mark 0.00 out of 1.00

Which SQL statement will list the employee details inside the EMPLOYEE table order by last names in ascending order, if two employees have same last name order them by the employee first name in ascending order?

Select one:

☐ a.

```
SELECT EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_AREACODE, EMP_PHONE
FROM EMPLOYEE
LIST BY EMP_FNAME, EMP_LNAME;
```

☒ b.

✖ Incorrect

```
SELECT EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_AREACODE, EMP_PHONE  
FROM EMPLOYEE  
ORDER BY EMP_FNAME, EMP_LNAME;
```

☐ c.

```
SELECT EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_AREACODE, EMP_PHONE  
FROM EMPLOYEE  
ORDER BY EMP_LNAME, EMP_FNAME;
```

☐ d.

```
SELECT EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_AREACODE, EMP_PHONE  
FROM EMPLOYEE  
ORDER BY EMP_LNAME ASC, EMP_FNAME DESC;
```

The correct answer is:

```
SELECT EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_AREACODE, EMP_PHONE  
FROM EMPLOYEE  
ORDER BY EMP_LNAME, EMP_FNAME;
```

#### Question 14

Correct

Mark 1.00 out of 1.00

The special operator used to check whether an attribute value matches a given string pattern is \_\_\_\_.

Select one:

- ☐ a. BETWEEN
- ☒ b. LIKE
- ☐ c. IS NULL
- ☐ d. IN

✔ Correct

The correct answer is: LIKE

#### Question 15

Correct

Mark 1.00 out of 1.00

A(n) \_\_\_\_ query specifies which data should be retrieved and how it should be filtered, aggregated, and displayed.

Select one:

- ☐ a. UPDATE
- ☐ b. INSERT
- ☒ c. SELECT

✔ Correct

☐ d. COMMIT

The correct answer is: SELECT

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