

## Quiz for Module 3 practice problems

Total points 22

1. Problem

1: Which column is the most appropriate to be a primary key in Customer table:

1 point

  - ☐ Phone
  - ☐ Address
  - ☒ CustNo
  - ☐ CustName
2. Problem 1: How many columns are in the Customer table:

1 point

  - ☐ 8
  - ☐ 10
  - ☐ 7
  - ☒ 9
3. Problem 1: How many constraint types are in the problem 1 statement:

1 point

  - ☐ 4
  - ☐ 1
  - ☐ 3
  - ☒ 2
4. Problem 1: Which constraints are required in problem 1 statement

1 point

  - ☐ Foreign key and NOT NULL constraints
  - ☒ Primary key and NOT NULL constraints
  - ☐ Check and NOT NULL constraints
  - ☐ Primary key and Foreign key constraints
5. Problem 1: Which of the followings is the most appropriate data type for address column:

1 point

  - ☐ DATE
  - ☐ DECIMAL
  - ☐ INTEGER
  - ☒ VARCHAR2
6. Problem 2: Which column is the most appropriate to be a primary key in Facility table:

1 point

  - ☐ No need for Primary key in this table
  - ☐ FacName
  - ☐ CustNo
  - ☒ FacNo
7. Problem 2: How many columns are in the Facility table:

1 point

- ☐ 4
- ☐ 1
- ☐ 3
- ☒ 2

8. Problem 2: How many constraint types are in the problem 2 statement:

1 point

- ☐ 3
- ☐ 1
- ☐ 4
- ☒ 2

9. Problem 2: Which constraints are required in problem 2 statement

1 point

- ☒ Primary key and NOT NULL constraints
- ☐ Foreign key and NOT NULL constraints
- ☐ Check and NOT NULL constraints
- ☐ Primary key and Foreign key constraints

10. Problem 2: Which of the followings is the most appropriate data type for FacName column:

1 point

- ☐ INTEGER
- ☐ BOOLEAN
- ☒ VARCHAR2
- ☐ DECIMAL

11. Problem 3: Which column is the most appropriate to be a primary key in Location table:

1 point

- ☐ FacNo
- ☐ LocName
- ☐ Location
- ☒ LocNo

12. Problem 3: How many columns are in the Location table:

1 point

- ☐ 2
- ☒ 3
- ☐ 4
- ☐ 1

13. Problem 3: How many constraint types are in the problem 3 statement:

1 point

- ☐ 4
- ☐ 3
- ☐ 1
- ☒ 2

14. Problem 3: Which

1 point

constraints are required in problem 3 statement

1 point

- ☒ Primary key and NOT NULL constraints
- ☐ Foreign key and NOT NULL constraints
- ☐ Primary key and Foreign key constraints
- ☐ Check and NOT NULL constraints

15. Problem 3: Which of the followings is the most appropriate data type for LocName column:

1 point

- ☒ VARCHAR2
- ☐ INTEGER
- ☐ FLOAT
- ☐ BOOLEAN

16. Problem 4: How many 1-M relationships are there among the Customer, Facility and Location tables:

1 point

- ☐ 3
- ☒ 1
- ☐ 2
- ☐ 0

17. Problem 4: Which of the following tables have 1-M relationship:

1 point

- ☐ There is no 1-M relationship among these tables
- ☐ Facility and Customer
- ☒ Facility and Location
- ☐ Customer and Location

18. Problem 5: Which of the followings is the appropriate referential integrity constraint for problem 5:

1 point

- ☐ CONSTRAINT FK\_LOCNO FOREIGN KEY (LocNo) REFERENCES FACILITY (LocNo)
- ☐ CONSTRAINT FK\_FACNO FOREIGN KEY (FacNo) REFERENCES FACILITY (LocNo)
- ☒ CONSTRAINT FK\_FACNO FOREIGN KEY (FacNo) REFERENCES LOCATION (FacNo)
- ☐ CONSTRAINT FK\_FACNO FOREIGN KEY (FacNo) REFERENCES FACILITY (FacNo)

19. Problem 6: Which of the following statements is TRUE about problem 6:

1 point

- ☐ Null values are not allowed in the foreign key column in Location table
- ☐ Each facility must have only one location
- ☐ Any location may not belong to more than one facility
- ☒ Null values are allowed in the foreign key column in Location table

20. Problem 6: Which of the following constraints is the most appropriate addition in problem 6:

1 point

- ☐ Foreign key constraint for LocNo column
- ☒ NOT NULL constraint for FacNo column

- ☒ No need for additional constraints
- ☐ No need for additional constraints
- ☐ UNIQUE constraint for FacNo

21. Problem 7: Which of the following constraints is the most appropriate addition in problem 7:

1 point

- ☐ Check constraint
- ☐ Primary key constraint
- ☒ Unique constraint
- ☐ Foreign key constraint

22. Problem 7: Which of the followings is the appropriate constraint syntax for problem 7:

1 point

- ☐ CONSTRAINT UniqueFacName  
UNIQUE
- ☐ CONSTRAINT UNIQUE (LocName)
- ☒ CONSTRAINT UniqueFacName  
UNIQUE (FacName)
- ☐ CONSTRAINT UniqueLocName SET  
UNIQUE (FacName)

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