Started on	Tuesday, 1 August 2023, 11:31 AM
State	Finished
Completed on	Tuesday, 1 August 2023, 11:38 AM
Time taken	6 mins 49 secs
Marks	13.00/16.00
Grade	**8.13** out of 10.00 (**81.25**%)

Question 1

Correct

Mark 1.00 out of 1.00

Which of the following statements will remove a field named *Phone* from a table named *Person*?

Select one:

- ⦿ `ALTER TABLE Person ✔
  DROP Phone;`
- ◯ `ALTER TABLE Person
  REMOVE Phone;`
- ◯ `ALTER Person
  DELETE Phone;`
- ◯ `UPDATE TABLE Person
  DROP Phone;`

Question 2

Correct

Mark 1.00 out of 1.00

Which of these statements will delete a database named *books*?

Select one:

- ⦿ DROP DATABASE books; ✔
- ◯ DELETE books;
- ◯ DROP books;
- ◯ DELETE DATABASE books;

Question 3

Correct

Mark 1.00 out of 1.00

Which statement will show you a list of available databases on the current SQL server?

Select one:

○ DESCRIBE DATABASES;

○ LIST DATABASES;

◉ SHOW DATABASES; ✔

○ USE DATABASES;

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following statements will create a database named *books*?

Select one:

○ USE DATABASE books;

○ CREATE books DATABASE;

○ USE books;

◉ CREATE DATABASE books; ✔

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following statements defines referential integrity?

Select one:

○ No foreign key field can be null.

○ Each record in a table must be unique.

○ Any value used as a primary key must exist as a foreign key in the related table.

◉ Any value used as a foreign key must exist as a primary key in the related table. ✔

Which of the following statements will output a list of fields and field properties for a table named *Person*?

Select one:

- ◉ `DESCRIBE Person;` ✔
- ○ `VIEW Person;`
- ○ `TABLE Person;`
- ○ `SHOW Person;`

Which of the following statements is true if a foreign key field is defined to use cascade update?

Select one:

- ○ If a primary key record is deleted, the related foreign key value will also be deleted.
- ◉ If the value of a primary key field is changed, the foreign key value will change to use the new value automatically. ✔
- ○ If the value of a foreign key field is changed, the related primary key value will change to use the new value automatically.
- ○ If a foreign key value is deleted, the related primary key record will also be deleted.

MySQL uses which of the following as the default DATE format?

Select one:

- ◉ YYYY-MM-DD ✔
- ○ MM-DD-YYYY
- ○ YY-MM-DD
- ○ DD-MM-YYYY

Question 9

Correct

Mark 1.00 out of 1.00

You have been working in a database named *writers* and now you need to work with a different database on the same server named *books*. Which of the following must you do to change databases?

Select one:

○ Run the command `CHANGE DATABASE books;`

○ Disconnect from the server and reconnect, naming the correct database while logging in.

◉ Run the command `USE books;` ✔

○ Run the command `DATABASE books;`

Question 10

Incorrect

Mark 0.00 out of 1.00

Which of the following statements is true if a foreign key field is defined to use cascade delete?

Select one:

○ If a foreign key value is deleted, the related primary key record will also be deleted.

◉ If a primary key record is deleted, the related foreign key value will also be deleted. The other fields in the related record will ✖ remain intact.

○ If a foreign key value is changed, the related primary key record will be deleted.

○ If a primary key record is deleted, the related foreign key record will also be deleted.

Question 11

Correct

Mark 1.00 out of 1.00

You want to include a critic's review with each book in a book table. Which data type would be most appropriate for that field?

Select one:

◉ MEDIUMTEXT ✔   A complete review could easily be more than 255 characters long, so MEDIUMTEXT would be an appropriate choice here.

○ TINYTEXT

○ VARCHAR(200)

○ CHAR(255)

Question 12

Correct

Mark 1.00 out of 1.00

In MySQL, you have a field with the data type `DECIMAL(10,3)`. What is the largest value you can store in that field?

Select one:

● 9,999,999.999 ✔ | The notation *(10,3)* defines a number with ten digits, including three digits to the right of the decimal place.

○ 9,999,999,999.999

○ 999.999999

○ 9,999,999,999

Question 13

Correct

Mark 1.00 out of 1.00

Which of the following statements is true about foreign key fields?

Select one:

○ a. No foreign key value can be used more than once in the same table.

● b. Any value used as a foreign key must first be used in the corresponding primary key field. ✔

○ c. A table can have at most one foreign key field.

○ d. Any value used as a primary key must first be used in the corresponding foreign key field.

Question 14

Incorrect

Mark 0.00 out of 1.00

Which of the following statements will delete a table named *Person* from the current database?

Select one:

○ `REMOVE Person;`

● `DELETE TABLE Person;` ✘

○ `DROP Person;`

○ `DROP TABLE Person;`

Which of the following statements will output a list of tables in the current database?

Select one:

○ `USE TABLES;`

◉ `SHOW TABLES;` ✔

○ `DESCRIBE TABLES;`

○ `LIST TABLES;`

Given a primary key named *bookID* in a table named *book*, which of the following statements would create a foreign key that references that field in a table named *bookFormat*. Assume that the primary key and the foreign key fields have the same name.

Select one:

◉ CONSTRAINT FK_bookFormat_book (bookID) ✖
        REFERENCES book (bookID)

○ CONSTRAINT FOREIGN KEY (bookID)
        REFERENCES book (bookID)

○ CONSTRAINT FOREIGN KEY FK_bookFormat_book (bookID)
        REFERENCES book (bookID)

○ CONSTRAINT bookFormat (bookID)
        REFERENCES book (bookID)