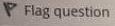


 Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser

Question 1
Not yet answered
Marked out of 5.00


Consider the following relations in a database created for a university.

Module (mCode: char(6), mName: varchar (50), credits: int, specialization: char (4), year: int, semester: int)

Student (sid: char(10), sName: varchar(50), age: int, gpa: int, address: varchar(50))

Follow (sld: char(10), mCode: char(6), semester: int, academicYear: int, grade: char(1))

Class (cld: int, mCode: char(6), sld: Char(10), type: varchar(10), day: char(3), time:time, length: int, hld: char(4))

Hall (hld: char(4), building: varchar(15), floorNo: int, capacity: int)

Module relation stores the module code, name, number of credits, and the specialization the module belongs to (such as 'IT', 'SE', 'CSN'), year and the semester of the module.

Student relation stores the ID, name, age, cumulative gpa, and address of all students.

For each student following a module in the university the Follow relation stores the ID of the student, code of the module, the semester the module is offered (such as 1 and 2), the academic year the student has followed the module (such as 2018 and 2019) and the grade he received for the module.

The Class relation stores the id , code, type of the class (such as 'lecture' and 'tutorial'), day the class is conducted such as ('Mon', 'Tue', 'Wed'), start time of the class, length of the class in hours, and the id of the hall the class is conducted.

Hall relation stores the ID, name of the building the hall is in, floor number the hall is in, and capacity of each Hall.

Create a function named 'getAvailability' which takes class id and module code as inputs and returns the number of more students that could be added to the class based on class size and the capacity of the hall.

 Online Exams

Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser

Fixed database role that authorizes a user to access the database, but not to manage database level security is :

Select one:

a. serveradmin
 b. db_accessadmin
 c. processadmin
 d. securityadmin





Course: Database Management

https://onlineexams.sliit.lk/mod/quiz/attempt.php?attempt=100

Online Exams

Sri Lanka Institute of Information Technology

Examinations Lockdown Browser

Which of the following is correct with respect to jobs in SQL server?

Select one or more:

- a. A job can be created by any database user
- b. Any job in the database could be edited by the dbowner
- c. A job can be created to run a SQL query run one or more time
- d. Job can be executed using sp_start_job stored procedure.

- sysadmin, Owner

 Sri Lanka Institute of Information Technology

Online Examinations

Dashboard Examinations Lockdown Browser

Question 1
Not yet answered
Marked out of 00
Flag question

Why is it useful to use backups?

Select one or more:

- a. to automate administrative tasks in the database
- b. to protect critical data stored
- c. to recover data after a disaster
- d. to maintain the integrity of data

Sri Lanka Institute of Information Technology

Examinations

Lockdown Browser

How can a DML statement (i.e. insert, delete, update) executed in the database?

Select one:

- a. By invoking the executeInsert(), executeDelete() or executeUpdate() methods of the DMLStatement
- b. By invoking the execute() or executeUpdate() method on a statement object
- c. Using InsertStatement, DeleteStatement or UpdateStatement classes
- d. By making use of the execute() statement of the DMLStatement object

Next p

Sri Lanka Institute of Information Technology

Examinations

Lockdown Browser

The method on the result set that tests whether or not there remains at least one unfetched tuple in the result set, is

Select one:

- a. Fetch
- b. Next
- c. Empty
- d. Last

Next

Sri Lanka Institute of Information Technology

Examinations

Lockdown Browser

Which of the following is true :

Select one or more:

- a. To execute a stored procedure the users need the ALTER permission
- b. REVOKE removes any GRANT but does not remove DENY permission on a securable.
- c. To enable a user to create table and insert data he could be added to the db_ddladmin role
- d. CREATE LOGIN 'DELL\ponyvet7@gmail.com' is an example for creating a server login

windows Login

Sri Lanka Institute of Information Technology

ard

Examinations

Lockdown Browser

Which of the following describes the correct sequence of the steps involved in providing permissions to only insert data:

1. create a database level role
2. create a database user
3. add the user to the role
4. provide permission to the role

Select one or more:

- a. 1,3,4,2
- b. 1,4,2,3
- c. 2,1,4,3
- d. 1,3,2,4

Quiz Malabe 2020

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Apps Gmail YouTube Maps Official HP® Driver... HP Notebook - 15... New Tab

Online Exams
Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser

Question 9
Not yet answered
Marked out of 100
Remove flag

Which of the following is correct with respect to jobs in SQL server?

Select one or more:

- a. A job can be created to run a SQL query run one or more time
- b. Any job in the database could be edited by the dbowner
- c. A job can be created by any database user
- d. Job can be executed using sp_start_job stored procedure.

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ng question

Consider the following relations of a database created for a car insurance company.

Driver (drivingLNo: char(4), name: varchar(20), address: varchar(50), phone: char(10))

Car (regNo: char(5), make: varchar (20), model: varchar (20), year: date, driveLNo: char(4))

Accident (accidentNo: varchar(20), location: varchar(50), accidentDate: datetime)

Car_Accident (regNo : char(5), accNo: varchar(20), accidentDate: datetime)

Claim (regNo: char(18), accNo: varchar(20), driveLNo: char(4), claimDate: datetime, claimAmt:real)

The database stores information on drivers registered by the car insurance company in the **Driver** table. The table stores a unique driving license number (drivingLNo), name, address and the phone number. Information about the cars is recorded in the **Car** table. The table includes a registration number(regNo), make ('Toyota', 'Ford', 'Audi', etc.), model ('Aqua', 'Axio' etc.), manufactured year and the owner of the car using the license number (driveLNo). When a Driver met with an accident, the company stores the records in an **Accident** table along with the unique number (accidentNo), location of the accident (location) and the time the accident happened (accidentDate). To keep track of all the accidents a **Car_Accident** table is listed with regNo, accident number and the date the accident happened. When a driver request for a claim the entries will be inserted to a **Claim** table following the regNo, accident number, driver number, claim date and claim amount.

Create a procedure which calculates the total claim amount for a given vehicle for a given year.

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Consider the following relations of a database created for a car insurance company.

Driver (drivingLNo: char(4), name: varchar(20), address: varchar(50), phone: char(10))

Car (regNo: char(5), make: varchar (20), model: varchar (20), year: date, driveLNo: char(4))

Accident (accidentNo: varchar(20), location: varchar(50), accidentDate: datetime)

Car_Accident (regNo : char(5), accNo: varchar(20), accidentDate: datetime)

Claim (regNo: char(18), accNo: varchar(20), driveLNo: char(4), claimDate: datetime, claimAmt:real)

The database stores information on drivers registered by the car insurance company in the **Driver** table. The table stores a unique driving license number (drivingLNo), name, address and the phone number. Information about the cars is recorded in the **Car** table. The table includes a registration number(regNo), make ('Toyota', 'Ford', 'Audi', etc.), model ('Aqua', 'Axio' etc.), manufactured year and the owner of the car using the license number (driveLNo). When a Driver met with an accident, the company stores the records in an **Accident** table along with the unique number (accidentNo), location of the accident (location) and the time the accident happened (accidentDate). To keep track of all the accidents a **Car_Accident** table is listed with regNo, accident number and the date the accident happened. When a driver request for a claim the entries will be inserted to a **Claim** table following the regNo, accident number, driver number, claim date and claim amount.

Create a function which calculates the number of accidents met by a given driver in a given year.

Online Exams

Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser

Question 4
Not yet answered
Marked out of 1.00
Flag question

What is the primary permission that gives a user full permission to all databases and primary permission that gives a user full permissions to only a single database respectively are:

Select one:

a. dbcreator, db_owner
 b. dbcreator, db_ddladmin
 c. sysadmin, db_owner
 d. sysadmin, dbcreator

Next page

Finish attempt...
Time left 0:29:09

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Examinations Lockdown Browser

Which of the following methods could be used to transfer data to a database

Select one or more:

a. BCP
 b. Bulk Insert
 c. Import/export wizard
 d. Select for INT
 e. SSIS

Mozilla Firefox

Ad-Aware SecureSearch Course: Database Management Quiz Malabe 2020

<https://onlineexams.slit.lk/mod/quiz/attempt.php?attempt=115804&cmid=1653&page=3>

Online Exams

Sri Lanka Institute of Information Technology

Examinations Lockdown Browser

In a supermarket system only the manager is able to change the unit price of a product. This is an example for

Select one:

- a. Secrecy
- b. Accessibility
- c. Database integrity
- d. Availability

— Availability

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Question 10

Not yet answered

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Flag question

Consider the following relations of a database created for a car insurance company.

Driver (drivingLNo: char(4), name: varchar(20), address: varchar(50), phone: char(10))

Car (regNo: char(5), make: varchar(20), model: varchar(20), year: date, driveLNo: char(4))

Accident (accidentNo: varchar(20), location: varchar(50), accidentDate: datetime)

Car_Accident (regNo : char(5), accNo: varchar(20), accidentDate: datetime)

Claim (regNo: char(18), accNo: varchar(20), driveLNo: char(4), claimDate: datetime, claimAmt: real)

The database stores information on drivers registered by the car insurance company in the **Driver** table. The table stores a unique driving license number (drivingLNo), name, address and the phone number. Information about the cars is recorded in the **Car** table. The table includes a registration number(regNo), make ('Toyota', 'Ford', 'Audi', etc.), model ('Aqua', 'Axio' etc.), manufactured year and the owner of the car using the license number (driveLNo). When a Driver met with an accident, the company stores the records in an **Accident** table along with the unique number (accidentNo), location of the accident (location) and the time the accident happened (accidentDate). To keep track of all the accidents a **Car_Accident** table is listed with regNo, accident number and the date the accident happened. When a driver request for a claim the entries will be inserted to a **Claim** table following the regNo, accident number, driver number, claim date and claim amount.

Assume that the insurance company accepts claims only within 10 days from the date of the accident. Create a stored procedure to output the status (whether the claim is accepted or rejected) of the claim given the registration number and the accident number.



Which of the following is/are TRUE about databases and database management systems?

Select one or more:

- a. DBMS is a special purpose software that is capable of structuring, storing and programming data
- b. All databases are computerized
- c. Databases are used to only store complex information
- d. Database definitions are stored in a database catalog
- e. Defining a database involves specifying the data types, structures and constraints on data

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Online Exams

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Question 23

Not yet answered

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Flag question

Which is(are) NOT a characteristic(s) of the database approach?

Select one or more:

- a. Data Collection
- b. Self-describing nature of a database system
- c. Support of a single view of the data
- d. Insulation between programs and data
- e. Increasing redundancy of data

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22

Next page

Finish

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Online Exams

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Examinations Lockdown Browser

Which of the following method(s) could be used to establish the connection to the database ?

Select one or more:

- a. public static Connection getConnection(String url,String userName,String password)
- b. public static void deregisterDriver(Driver driver)
- c. public static Connection getConnection(String url)
- d. public static void registerDriver(Driver driver)

Online Exams

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board Examinations Lockdown Browser

Which of the following are correct?

Select one or more:

a. Bulk Insert is mainly used to transfer the data from outside world to SQL Server

b. For BCP the data source could be only a table or a view X

c. Bulk Copy is mainly used to transfer the data from outside world to SQL Server

d. With BCP the data migrated can be a table or a SQL query result

Online Exams

Sri Lanka Institute of Information Technology

board Examinations Lockdown Browser

Which of the following is true about schedules ?

Select one or more:

a. A schedule could be set to run when CPU is not busy

b. Schedule can run at most one job

c. Schedules and jobs are handled by SQL server agent

d. A schedule could be set to run every Monday at 10.00 p.m.

Online Exams

Sri Lanka Institute of Information Technology

Database table by name Loan_Records is given below.

Borrower	Bank_Manager	Loan_Amount
Ramesh	Sunderajan	10000.00
Suresh	Ramgopal	5000.00
Mahesh	Sunderajan	7000.00

What is the output of the following SQL query?

```
SELECT Count(*)  
FROM (( SELECT Borrower, Bank_Manager  
        FROM Loan_Records) AS S  
      NATURAL JOIN ( SELECT Bank_Manager, Loan_Amount  
                    FROM Loan_Records) AS T );
```

Select one:

- a. 6
- b. 5
- c. 3
- d. 9

 Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser

on 7
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question

How can a DML statement (i.e. insert, delete, update) executed in the database?

Select one:

- a. By invoking the execute() or executeUpdate() method on a statement object
- b. Using InsertStatement, DeleteStatement or UpdateStatement classes
- c. By making use of the execute() statement of the DMLStatement object
- d. By invoking the executeInsert(), executeDelete() or executeUpdate() methods of the DMLStatement

 Online Exams

Sri Lanka Institute of Information Technology

An item table of a supermarket stores the itemNumber, description, item Price, Quantity available and re-order level. Which of the following is true with respect to above table.

Select one or more:

- a. DBMS can be configured in a manner that item numbers cannot be duplicated
- b. DBMS cannot allow multiple cashiers to access to table to update the quantity in hand.
- c. DBMS can be configured in a manner that only the manager can change the price of an item
- d. DBMS can be configured in a manner that registered customers can only view the item descriptions and prices
- e. DBMS cannot be allow multiple cashiers to access the table to see the price of items as the same time



Question 1
Not yet answered
Marked out of 10
Flag question

Consider the following relations in a database created for a library.

Book (bookID char(10), bookName varchar(30), ISBN varchar(30), category varchar(15))

Member Type (typeID int, TypeName varchar(10), limit int)

Member (memID int, memName varchar(20), address varchar(30), contact int, memberType int)

Loan (memID int, bookID char(10), borrowdate date, duedate date)

Quiz nav

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Finish attempt ...

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All details about the books in the library is available in the Book relation. Registered library member details are available in the Member relation. Each member belong to a member category (undergraduate, postgraduate, academic and non academic) Each category has a maximum limit of books that can be purchased by a member in a given category.

Create a function to return the total number of books that can be borrowed by a given member on a particular date.

Question 1
Not yet answered
Marked out of 10
Flag question

Consider the following relations in a database created for a university.

Module (mCode: char(6), mName: varchar(50), credits: int, specialization: char(4), year: int, semester: int)

Student (sid: char(10), sName: varchar(50), age: int, gpa: int, address: varchar(50))

Follow (sld: char(10), mCode: char(6), semester: int, academicYear: int, grade: char(1))

Class (cld: int, mCode: char(6), sld: Char(10), type: varchar(10), day: char(3), time:time, length: int, hld: char(4))

Hall (hld: char(4), building: varchar(15), floorNo: int, capacity: int)

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Finish
Time

Module relation stores the module code, name, number of credits, and the specialization the module belongs to (such as 'IT', 'SE', 'CSN'), year and the semester of the module.

Student relation stores the ID, name, age, cumulative gpa, and address of all students.

For each student following a module in the university the Follow relation stores the ID of the student, code of the module, the semester the module is offered (such as 1 and 2), the academic year the student has followed the module (such as 2018 and 2019) and the grade he received for the module.

The Class relation stores the id , code, type of the class (such as 'lecture' and 'tutorial'), day the class is conducted such as ('Mon', 'Tue', 'Wed'), start time of the class, length of the class in hours, and the id of the hall the class is conducted.

Hall relation stores the ID, name of the building the hall is in, floor number the hall is in, and capacity of each Hall.

Create a function named 'getAvailability' which takes class id and module code as inputs and returns the number of more students that could be added to the class based on class size and the capacity of the hall.

Dashboard Examinations Lockdown Browser

Question 1
Not yet answered
Marked out of 1.00
Flag question

Consider the following relations in a database created for a university.

Module (mCode: char(6), mName: varchar(50), credits: int, specialization: char(4), year: int, semester: int)
Student (sid: char(10), sName: varchar(50), age: int, gpa: int, address: varchar(50))
Follow (sId: char(10), mCode: char(6), semester: int, academicYear: int, grade: char(1))
Class (cId: int, mCode: char(6), sId: Char(10), type: varchar(10), day: char(3), time:time, length: int, hId: char(4))
Hall (hId: char(4), building: varchar(15), floorNo: int, capacity: int)

Module relation stores the module code, name, number of credits, and the specialization the module belongs to (such as 'IT', 'SE', 'CSN'), year and the semester of the module.

Student relation stores the ID, name, age, cumulative gpa, and address of all students.

For each student following a module in the university the Follow relation stores the ID of the student, code of the module, the semester the module is offered (such as 1 and 2), the academic year the student has followed the module (such as 2018 and 2019) and the grade he received for the module.

The Class relation stores the id , code, type of the class (such as 'lecture' and 'tutorial'), day the class is conducted such as ('Mon', 'Tue', 'Wed'), start time of the class, length of the class in hours, and the id of the hall the class is conducted.

Hall relation stores the ID, name of the building the hall is in, floor number the hall is in, and capacity of each Hall.

Create a function named 'getAvailability' which takes class id and module code as inputs and returns the number of more students that could be added to the class based on class size and the capacity of the hall.

Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser

Question 2
Not yet answered
Marked out of 1.00
Flag question

Consider the following relations in a database created for a library.

Book (bookID char(10), bookName varchar(30), ISBN varchar(30), category varchar(15))
Member Type (TypeID int, TypeName varchar(10), limit int)
Member (memID int, memName varchar(20), address varchar(30), contact int, memberType int)
Loan (memID int, bookID char(10), borrowdate date, duedate date)

All details about the books in the library is available in the Book relation. Registered library member details are available in the Member relation. Each member belongs to a member category (undergraduate, postgraduate, academic and non academic). Each category has a maximum limit of books that can be purchased by a member in a given category.

**Write a trigger to ensure that a member does not borrow books more than the number of books he/she could borrow at a given time.
(Hint: Use the function created in Question 1).**

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Sri Lanka Institute of Information Technology

Dashboard Examinations Lockdown Browser It20153540 Abeywickrama

Question 2
Not yet answered
Marked out of 5.00
 Flag question

Consider the following relations in a database created for a university.

Module (mCode: char(6), mName: varchar(50), credits: int, specialization: char(4), year: int, semester: int)

Student (sid: char(10), sName: varchar(50), age: int, gpa: int, address: varchar(50))

Follow (sid: char(10), mCode: char(6), semester: int, academicYear: int, grade: char(1))

Class (cld: int, mCode: char(6), sid: Char(10), type: varchar(10), day: char(3), time:time, length: int, hld: char(4))

Hall (hld: char(4), building: varchar(15), floorNo: int, capacity: int)

Module relation stores the module code, name, number of credits, and the specialization the module belongs to (such as 'IT', 'SE', 'CSN'), year and the semester of the module.

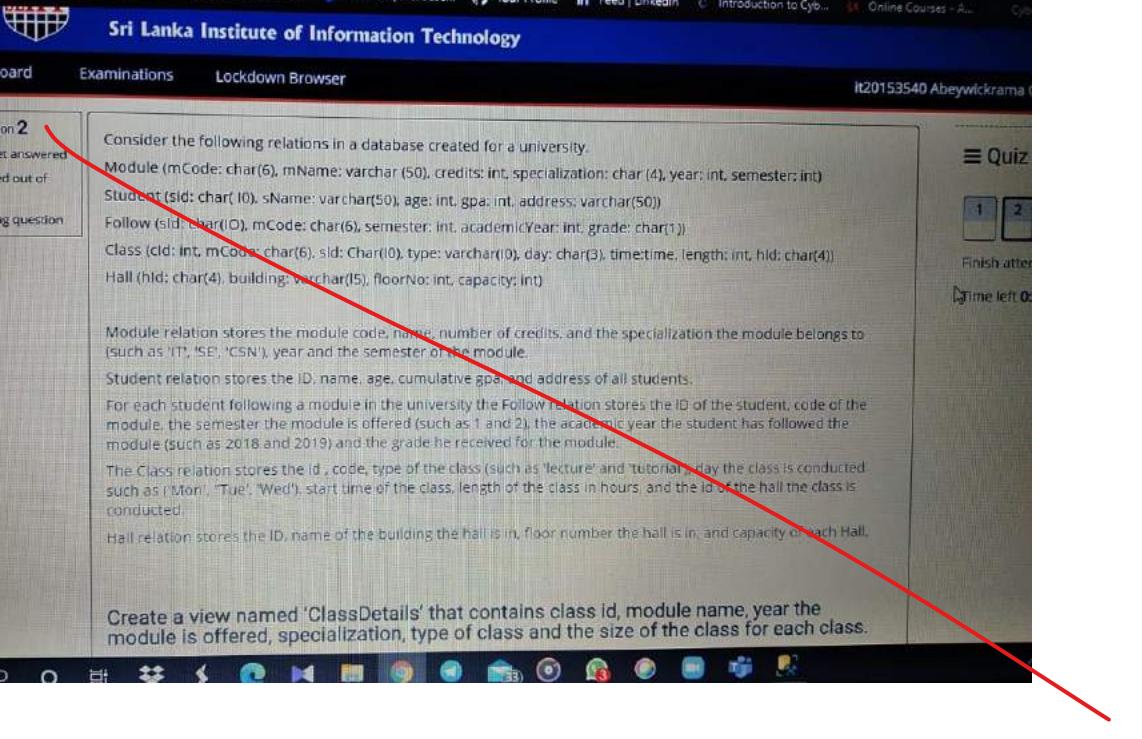
Student relation stores the ID, name, age, cumulative gpa, and address of all students.

For each student following a module in the university the Follow relation stores the ID of the student, code of the module, the semester the module is offered (such as 1 and 2), the academic year the student has followed the module (such as 2018 and 2019) and the grade he received for the module.

The Class relation stores the ID, code, type of the class (such as 'lecture' and 'tutorial'), day the class is conducted such as ('Mon', 'Tue', 'Wed'), start time of the class, length of the class in hours, and the ID of the hall the class is conducted.

Hall relation stores the ID, name of the building the hall is in, floor number the hall is in, and capacity of each Hall.

Create a view named 'ClassDetails' that contains class id, module name, year the module is offered, specialization, type of class and the size of the class for each class.



NetExam
Sri Lanka Institute of Information Technology

Consider the following code segment. What is/are false related to CallableStatement ?

```
CallableStatement cstmt = null;
try {
    String SQL = "[call getEmpName (?, ?)]";
    cstmt = conn.prepareCall (SQL);
}
catch (SQLException e) {
}
finally {
}
```

Select one or more:

- a. The callable statement is prepared by calling the conn.prepareCall ()
- b. String variable SQL, represents the stored procedure, with parameter placeholders
- c. SQLException is handled by introducing a try catch block
- d. The SQL exception is occurred when prepareCall () is connected
- e. Send values to all the parameters before executing the statement, or will receive an SQLException

DELL



Which of the following is/are true?

Select one or more:

- a. Select into command automatically creates the destination table
- b. In select into command source and destination should be tables in SQL Server
- c. BULK INSERT loads data from a table into a file.
- d. Field terminator parameter for BULK Insert command is useful to identify columns in a file
- e. When importing data from a file using import/export wizard data types of the data could be changed



Which of the following is/are true related to BCP tool?

Select one or more:

- a. BCP is a GUI utility
- b. BCP tool is used to migrate data from SQL server to files
- c. BCP tool is used to copy a bulk of data
- d. With BCP data could be migrated from a view
- e. BCP tool is installed default with Windows OS

SQL Server

**Question 1**

Not yet answered
Marked out of 1.0

Flag question

Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl INSTEAD OF INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE,'Insert');
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 0
- b. 2
- c. 3
- d. 5
- e. 4

NetExam
Sri Lanka Institute of Information Technology

1 answered
1 out of 1.0
question

If a view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY, which of the following is **not** a statement?

Select one or more:

- a. All data, except SALARY data that is stored in the EMPLOYEE table is copied to a separate physical location when V1 is created
- b. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY information
- c. View V1 cannot be used as a data source for other views
- d. No data is copied to a separate physical location when V1 is created
- e. View V1 can be used as a data source for other views

Question 11
Not yet answered
Marked out of 1.0
Flag question

Which of the following is/are true related to BCP tool?

Select one or more:

- a. BCP is a GUI utility
- b. BCP tool is installed default with Windows OS
- c. BCP tool is used to copy a bulk of data.
- d. With BCP data could be migrated from a view
- e. BCP tool is used to migrate data from SQL server to files

 NetExam

Sri Lanka Institute of Information Technology

Question 16
Not yet answered
Marked out of 1.0

Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. BPC
- b. Select INTO
- c. BULK INSERT
- d. Migration wizard
- e. SPSS

Sri Lanka Institute of Information Technology

Which of the following is/are true?

Select one or more:

- a. BULK INSERT loads data from a table into a file.
- b. When importing data from a file using import/export wizard data types of the data could be changed.
- c. Select into command automatically creates the destination table
- d. Field terminator parameter for BULK Insert command is useful to identify columns in a file.
- e. In select into command source and destination should be tables in SQL Server

Sri Lanka Institute of Information Technology

16
Answered
of 1.0
Question

Which of the following are true?

Select one or more:

- a. A job can have multiple steps
- b. A job can be scheduled in a manner that it runs when the server workload is less
- c. Jobs could run in only one schedules
- d. A job could be started using stored procedure start_job
- e. Before running a job SQL server agent should be started

NetExam
Sri Lanka Institute of Information Technology

In a view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY. Which of the following is **not** an accurate statement?

Select one or more:

- a. View V1 can not be used as a data source for other views
- b. All data, except SALARY data that is stored in the EMPLOYEE table is copied to a separate physical location when V1 is created
- c. View V1 can be used as a data source for other views
- d. No data is copied to a separate physical location when V1 is created
- e. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY info

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view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY. Which of the following is **not** an accurate statement?

Select one or more:

- a. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY information
- b. No data is copied to a separate physical location when V1 is created
- c. View V1 cannot be used as a data source for other views
- d. All data, except SALARY data that is stored in the EMPLOYEE table is copied to a separate physical location when V1 is created
- e. View V1 can be used as a data source for other views

Which of the following is/are true related to SQL Server import/export wizard?

Select one or more:

- a. When a source in SQL server import/export wizard is a file the wizard identifies the structure of a file
- b. Source in migrating data using import/export wizard could be an Excel file
- c. Source in migrating data using import/export wizard could be a table in SQL server
- d. In migrating data to the SQL server data could be migrated to an existing table or a new table
- e. The wizard is available in the SQL server enterprise edition

Next pa

Question 19
Not yet answered
Marked out of 1.0
Flag question

What is/are false related to SQLException when JDBC encounters an error during an interaction with a data source?

```
try
{
    Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
    Connection con=DriverManager.getConnection(url);
    Statement st=con.createStatement();
}

catch(SQLException e)
{
    System.out.println("Message = " + e.getMessage());
    sqe.printStackTrace();
}
```

Quiz navigation

Finish attempt ...
Time left 0:17:28

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17	18	19	20	21	22	23
25	26	27	28	29	30	31
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Select one or more:

- a. A description of the error can be called by providing the column name and index
- b. The string object can be retrieved by calling the method getMessage()
- c. A description of the error can be retrived by calling the method SQLException.getMessage()
- d. The SQLException is occured when Connection object is connected
- e. The SQLException instance contains the information that can help you determine the cause of the error

Next page

software applications the banking sector. As such, one of the has given the responsibility of automating their tasks to Tech includes developing a database to record customer details, account details and all the other functions related to a bank.

Malaka is the senior project manager responsible for the entire project. She has asked Ishara who is the senior DBA, to handle the database design and management process. This includes creating a secure database accordingly. She has designed the bankdb. Since there will be lots of work in the project, Kalpa is assigned with the responsibility of creating login for Surani is assigned to create tables, required views, stored procedures. Aruna and Malithi who are data entry operators are given the responsibility of inserting the data to the tables. Heshan should be able to generate reports as directly query the data or call functions and procedures.

Assume that Surani's user name is Surani.a of the following will give Surani to perform the work she is responsible for

Select one or more:

- a. grant execute to Surani.a
- b. grant create table,alter to Surani.a
- c. alter server role db_creator add Surani.a
- d. alter role db_ddladmin add member Surani.a
- e. alter role db_admin add member Surani.a



Question 26

yet answered

Marked out of 1.0

Flag question

Tech SriLanka is a software company who has expertise in developing secure software applications the banking sector. As such, one of the leading private bank has given the responsibility of automating their tasks to Tech SriLanka. This includes developing a database to record customer details, account details, branch details and all the other functions related to a bank.

Malaka is the senior project manager responsible for the entire project. Malaka has asked Ishara who is the senior DBA, to handle the database development and management process. This includes creating a secure database to the bank. Accordingly, she has designed the bankdb. Since there will be lot of users for the project. Kalpa is assigned with the responsibility of creating logins to the system. Surani is assigned to create tables, required views, stored procedures and triggers. Aruna and Malithi who are data entry operators are given the responsibility of inserting the data to the tables. Heshan should be able to generate reports as well as directly query the data or call functions and procedures.

Assuming that Aruna left the company and thus he should be prevented from inserting data to the system. Which of the following commands can facilitate the above assuming that Aruna has a login name aruna.d

Select one or more:

- a. REVOKE select to aruna.d
- b. DENY permission to aruna.d
- c. ALTER permission to aruna.d
- d. DENY insert to aruna.d
- e. REVOKE grant to aruna.d

next page

In the responsibility of automating their tasks to Techwire. Nalaka is the project manager responsible for the entire project. Nalaka has assigned Sonal as a senior DBA to handle the database development and management. Her responsibility includes creating a secure database to the hotel. Malani is responsible for managing the hotel reservations and bookings. Accordingly, she has been assigned the responsibility of handling logins to the system. Akram is assigned the responsibility of creating required views, stored procedures and triggers. Palika and Mahesh are entry operators are given the responsibility of inserting the data to the database. Since there will be lot of users for the project, Sonal is assigned the responsibility of handling logins to the system. Akram is assigned the responsibility of creating required views, stored procedures and triggers. Palika and Mahesh are entry operators are given the responsibility of inserting the data to the database. Aruni should be able to generate reports from the database. She can directly query the data or call functions and procedures.

Which of the following T-SQL statement/s require membership in the db_ddladmin role? Akram is to create tables, functions, procedures and triggers. Assume he is a member of the db_ddladmin role.

Select one or more:

- a. ALTER ROLE db_ddladmin add member akram.h
- b. ALTER ROLE dbcreator add member akram.h
- c. ALTER ROLE db_datareader add member akram.h
- d. ALTER ROLE sysadmin add member akram.h
- e. ALTER ROLE db_owner ADD MEMBER akram.h



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Techwire Lanka is a software company who has expertise in developing secure software applications the hotel industry. As such , a reputed global hotel chain has given the responsibility of automating their tasks to Techwire Lanka. Nalaka is the project manager responsible for the entire project . Nalaka has asked Malani who is the senior DBA to handle the database development and management process .This includes creating a secure database to the hotel. Malani is responsible for handling all the hotel reservations and bookings. Accordingly, she has designed the hoteldb . Since there will be lot of users for the project. Sonal is assigned with the responsibility of handling logins to the system. Akram is assigned to create tables , required views, stored procedures and triggers. Palika and Mahesh who are data entry operators are given the responsibility of inserting the data to the tables. With the data added to the database, Aruni should be able to generate reports as well as directly query the data or call functions and procedures.

Assuming that Aruni has a login name aruni.g Which of the following/s T-SQL statements required to perform the tasks she is responsible of.

Select one or more:

- a: ALTER ROLE db_owner ADD MEMBER aruni.g
- b: ALTER ROLE datareader ADD MEMBER aruni.g
- c: ALTER ROLE dataEntry ADD MEMBER aruni.g
- d: CREATE USER nihai FOR LOGIN aruni.g
- e: ALTER ROLE db_ddladmin ADD MEMBER aruni.g

Next page

she has been assigned to the senior DBA to handle the database development and management process. This includes creating a secure database to the bank's needs. Accordingly, she has designed the bankdb. Since there will be lot of users involved in the project, Kalpa is assigned with the responsibility of creating logins to the database. Surani is assigned to create tables, required views, stored procedures and triggers. Aruna and Malithi who are data entry operators are given the responsibility of inserting the data to the tables. Heshan should be able to generate reports from the database as well as directly query the data or call functions and procedures.

Assuming that Ishara has a server login named ishara.k , which of the following statements would you need to provide her with the permission she needs to be a member of the server role named manager

Select one or more:

- a. create server role manager
grant permission create database to manager
grant server role manager add member ishara.k
- b. create permission add database to manager
grant server role manager to ishara.k
- c. create server role manager
grant create any database to manager
alter server role manager add member ishara.k
- d. create server user manager
- e. create role manager
grant dbcreator to manager
alter server role manager add member ishara.k



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In which of the following scenarios would a stored procedure be beneficial?

Select one or more:

- a. An application running on a remote client needs to calculate and store an employee's salary which is obtained by multiplying the number of hours he has worked with the rate he is paid. Both the number of hours and rate are also stored in a table in the database.
- b. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables.
- c. An application running on a remote client needs to track every modification made to a table that contains sensitive data.
- d. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique, sequential employee number when his information is stored in the database.
- e. All of the given answers

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Which of the following/s should you need to provide the necessary permission Palika and Mahesh assuming that their usernames are palika.b and mahesh.h respectively

Select one or more:

- a. ALTER ROLE db_owner add member mahesh.h
- b. ALTER ROLE db_owner add member palika.b
- c. ALTER ROLE dataEntry ADD MEMBER mahesh.h
- d. GRANT INSERT on bankDB to dataEntry
- e. ALTER ROLE dataEntry ADD MEMBER palika.b

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DELL

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Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl INSTEAD OF INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE, 'Insert');
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 2
- b. 4
- c. 0
- d. 5
- e. 3



Question 25

Not yet answered

Marked out of 1.0

Flag question

What is the correct order to close database resources?

Select one:

- a. Statement, Resultset, Connection
- b. Resultset, Connection, Statement
- c. Connection, Statement, ResultSet
- d. ResultSet, Statement, Connection
- e. Statement, Connection, Resultset

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Which of the following is/are true related to ResultSet?

Select one or more:

- a. executeUpdate method returns a resultSet object
- b. ResultSet maintains a cursor that points to the current row in the result set
- c. Through ResultSets it could be only moved forward
- d. ResultSets are scrollable
- e. The next method in the ResultSet continues until end of the table is reached

DELL

Tech SriLanka is a software company who has expertise in developing secure software applications the banking sector. As such, one of the leading private bank has given the responsibility of automating their tasks to Tech SriLanka. This includes developing a database to record customer details, account details, branch details and all the other functions related to a bank.

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Which of the following T-SQL statement/s T-SQL statement/s required to allow Surani to create tables, functions, procedures and triggers. Assume her login name is surani.b

Select one or more:

- a. ALTER ROLE db_owner ADD MEMBER surani.b
- b. ALTER ROLE dbcreator add member surani.b
- c. ALTER ROLE db_ddladmin add member surani.b
- d. ALTER ROLE db_datareader add member surani.b
- e. ALTER ROLE sysadmin add member surani.b

X

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Which of the following statements are true?

Select one or more:

- a. A Java application retrieving data from SQL server communicates with the database using a type 3 driver.
- b. In type 3 driver shows the highest performance among the drivers
- c. Type 1 driver uses database native protocol
- d. Driver manager might keep track of multiple drivers
- e. Type 2 driver converts the JDBC calls into database-specific calls

DELL

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Question 17

Not yet answered.

Marked out of 1.0

Flag question

Consider the following code segment. Which is/are true ?

```
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("Select username, email from User");
while(rs.next()) {
    String name = rs.getString("username"); // line 1
    String email = rs.getString(2); // line 2
    System.out.println(name+" "+email);
}
```

Select one or more:

- a. The ResultSet object maintains a cursor that points to the next row in the result set
- b. The SQL statements reads data from the database query and returns the result set
- c. Line 1 is incorrect ↗
- d. Line 2 is incorrect
- e. The get method can be called by providing the column name and index

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Which method is used for an SQL statement that is executed frequently?

Select one:

- a. prepareCall
- b. callStatement
- c. prepareStatement
- d. executeStatement
- e. createStatement



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Question 24

Not yet answered

Marked out of 1.0

Flag question

Which of the following packages contain the JDBC classes?

Select one:

- a. java.jdbc.sql
- b. sql
- c. javax.rdb
- d. rdb
- e. jdbc

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Which of the following statements are correct?

Select one or more:

- a. Prepared statements are more secure because they use bind variables
- b. Statement encapsulates an SQL statement which is passed to the database to be parsed and compiled
- c. executeQuery method could be used to execute a query and get results
- d. forName() method is used to load the driver to the memory
- e. PreparedStatement is efficient since it is pre-compiled



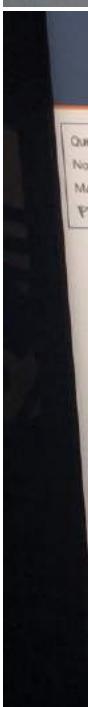
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Which of the following/s should you need to provide the necessary permission Palika and Mahesh assuming that their usernames are palika.b and mahesh.h respectively

Select one or more:

- a. ALTER ROLE dataEntry ADD MEMBER palika.b
- b. ALTER ROLE dataEntry ADD MEMBER mahesh.h
- c. ALTER ROLE db_owner add member mahesh.h
- d. GRANT INSERT on bankDB to dataEntry
- e. ALTER ROLE db_owner add member palika.b

Next page



Question 27

Not yet answered

Marked out of 1.0

Flag question

Techwire Lanka is a software company who has expertise in developing secure software applications the hotel industry. As such , a reputed global hotel chain has given the responsibility of automating their tasks to Techwire Lanka. Nalaka is the project manager responsible for the entire project . Nalaka has asked Malani who is the senior DBA to handle the database development and management process .This includes creating a secure database to the hotel. Malani is responsible for handling all the hotel reservations and bookings. Accordingly, she has designed the hoteldb . Since there will be lot of users for the project. Sonal is assigned with the responsibility of handling logins to the system. Akram is assigned to create tables , required views, stored procedures and triggers. Palika and Mahesh who are data entry operators are given the responsibility of inserting the data to the tables. With the data added to the database, Aruni should be able to generate reports as well as directly query the data or call functions and procedures.

Which of the following is T-SQL statement/s to add a user defined role which will provide permissions to perform activities for which Palika and Mahesh are responsible.

Assume their usernames are palika.r and mahesh.p respectively.

Select one or more:

- a. ALTER ROLE dataEntry ADD MEMBER mahesh.p
- b. GRANT INSERT on hoteldb to dataEntry
- c. ALTER ROLE db_owner add member mahesh.p
- d. CREATE ROLE db_owner
- e. CREATE ROLE dataEntry

Quiz na

Finish attempt

Time left: 0:04:51

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33	34	35

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- 28
Unanswered
Time left 1:00
Question

Techwire-Lanka is a software company who has expertise in developing secure software applications the hotel industry. As such, a reputed global hotel chain has given the responsibility of automating their tasks to Techwire-Lanka. Nalaka is the project manager responsible for the entire project. Nalaka has asked Milani who is the senior DBA to handle the database development and management process. This includes creating a secure database to the hotel. Milani is responsible for handling all the hotel reservations and bookings. Accordingly, she has designed the hotelDB. Since there will be lot of users for the project, Suraj is assigned with the responsibility of handling logins to the system. Akram is assigned to create tables, required views, stored procedures and triggers. Palika and Malathi who are data entry operators are given the responsibility of inserting the data to the tables. With the data added to the database, Aruni should be able to generate reports as well as directly query the data or call functions and procedures.

Which of the following/s should you need to provide the necessary permission (palika and malathi) assuming that their usernames are palika_b and malathi_h respectively.

Select one or more:

- a. ALTER ROLE dataEntry ADD MEMBER palika_b
- b. ALTER ROLE db_owner add member palika_b
- c. ALTER ROLE dataEntry ADD MEMBER malathi_h
- d. GRANT INSERT on bankDB to dataEntry
- e. ALTER ROLE db_owner add member malathi_h

[Mark as correct](#) [Mark as wrong](#)

Sri Lanka Institute of Information Technology

Question 28
Not yet answered
Marked out of 1.0
[Flag question](#)

X

Tech SriLanka is a software company who has expertise in developing secure software applications the banking sector. As such, one of the leading private bank has given the responsibility of automating their tasks to Tech SriLanka. This includes developing a database to record customer details, account details, branch details and all the other functions related to a bank.

Malaka is the senior project manager responsible for the entire project. Malaka has asked Ishara who is the senior DBA, to handle the database development and management process. This includes creating a secure database to the bank. Accordingly, she has designed the bankdb. Since there will be lot of users for the project, Kalpa is assigned with the responsibility of creating logins to the system. Suraj is assigned to create tables, required views, stored procedures and triggers. Aruna and Malithi who are data entry operators are given the responsibility of inserting the data to the tables. Heshan should be able to generate reports as well as directly query the data or call functions and procedures.

Assuming that Malaka's login name is kalpa_c which of the following statements will you need to give him the only the permissions he need to perform the tasks he is responsible of:

Select one or more:

- a. grant alter any login to manager
- b. grant modify any role to manager
- c. alter server role sys-admin add member kalpa_c
- d. create server role manager
- e. create login kalpa_c

[Mark as correct](#) [Mark as wrong](#)

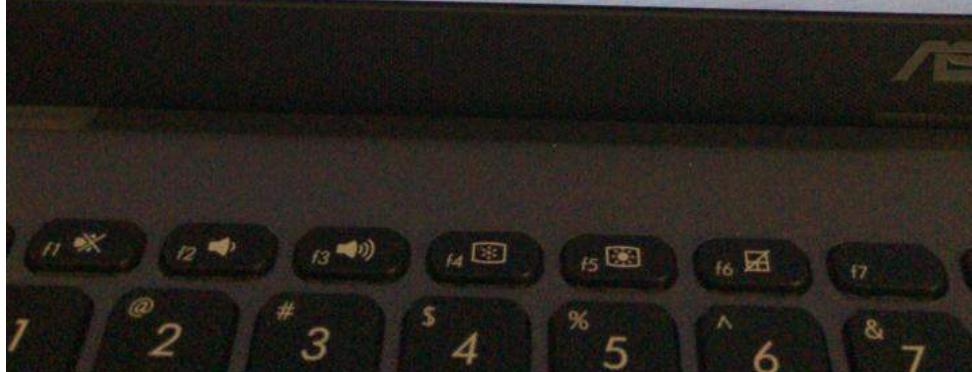
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1 2
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15 16
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29 30

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Which of the following type of JDBC driver which is purely written in java?

Select one:

- a. Thin driver
- b. Type 3 driver
- c. Native API Driver
- d. Network Pure Java Driver
- e. Type 1 driver



Question 17

Not yet answered

Marked out of 1.0

 Flag question

Consider the following code segment. What is/are false related to CallableStatement ?

```
CallableStatement cstmt = null;
try {
    String SQL = "{call getTmpName (?, ?)}";
    cstmt = conn.prepareCall (SQL);
    ...
}
catch (SQLException e) {
    ...
}
finally {
    ...
}
```

Select one or more:

- a. The SQLException is occurred when prepareCall () is connected
- b. SQLException is handled by introducing a try catch block
- c. Bind values to all the parameters before executing the statement, or will receive an SQLException
- d. The callable statement is prepared by calling the conn.prepareCall ()
- e. String variable SQL represents the stored procedure, with parameter placeholders

Question 21

Not yet answered

Marked out of 1.0

 Flag question

Which of the following methods could be used to check whether there are any more unfetched tuples in a result set in jdbc?

Select one:

- a. Current()
- b. Fetch()
- c. get()
- d. Access()
- e. Next()

 Next



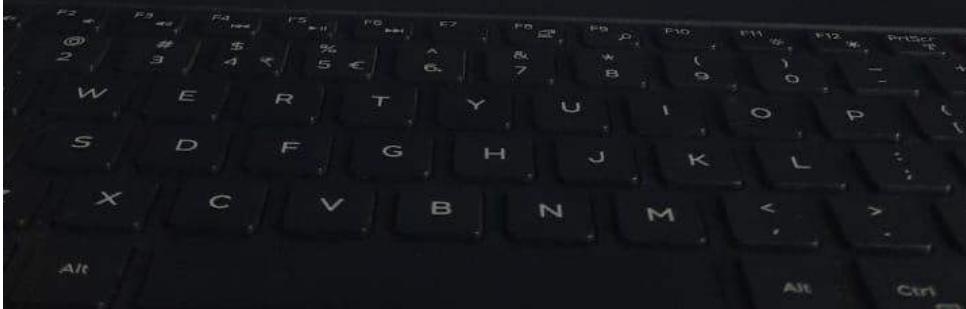
Which of the following packages contain the JDBC classes?

Select one:

- a. javax.rdb
- b. sql
- c. rdb
- d. java.jdbc.sql
- e. jdbc

[Next page](#)

DELL



Which of the following is/are true related to ResultSet?

Select one or more:

must not

- a. executeUpdate method returns a resultSet object *
- b. ResultSets are scrollable
- c. Through ResultSets it could be only moved forward
- d. The next method in the ResultSet continues until end of the table is reached *
- e. ResultSet maintains a cursor that points to the current row in the result set

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Which of the following packages contain the JDBC classes?

Select one:

- a. javax.rdb
- b. sql
- c. rdb
- d. java.jdbc.sql
- e. jdbc

DELL

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\$ % ^ & * ()
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D F G H J K
X C V B

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Which of the following statements are correct?

Select one or more:

- a. forName() method is used to load the driver to the memory
- b. PreparedStatement is efficient because it is pre-compiled
- c. executeQuery method could be used to execute a query and get results
- d. Statement encapsulates an SQL statement which is passed to the database to be parsed and compiled
- e. Prepared statements are more secure because they use bind variables

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Which of the following methods could be used to check whether there are any more unfetched tuples in a result set in jdbc?

Select one:

- a. Current()
- b. Access()
- c. Next()
- d. Fetch()
- e. get()

Next >



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6

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question

Which of the following statements are true?

Select one or more:

- a. A customized maintenance plan could be created using jobs
- b. Backup could be used to restore small numbers of files after they have been accidentally deleted
- c. SQL server agent is used to set a schedule for automatic backups to be done on a regular basis
- d. To secure data a schedule could be set for automatic backups
- e. SQL Server Agent allows you to automate a variety of administrative tasks





29

Answered
of 1.0
Edition

Tech SriLanka is a software company who has expertise in developing secure software applications the banking sector. As such, one of the leading private bank has given the responsibility of automating their tasks to Tech SriLanka. This includes developing a database to record customer details, account details, branch details and all the other functions related to a bank.

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Assuming that Kalpa's login name is kalpa.c which of the following statements is capable of giving him the only the permission to create logins.

Select one or more:

- a. alter server role db_owner add member kalpa.c
- b. alter server role dbowner add member kalpa.c
- c. alter server role sysadmin add member kalpa.c
- d. alter server role dbcreator add member kalpa.c
- e. alter server role securityadmin add member kalpa.c

1.0

Consider the following code segment. Which is/are true related to the PreparedStatement ?

```
PreparedStatement ps = con.prepareStatement("insert into Customer (custID, lastName) values (?,?)");
```

Select one or more:

- a. The value will be set by calling the setter methods of PreparedStatement
- b. The (?) mark is used to pass parameters into the insert command
- c. In the PreparedStatement you cannot provide insert fields
- d. Once a PreparedStatement is prepared, it cannot be reused after execution
- e. You cannot have more than one parameter in the PreparedStatement

[Send result](#)

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Question 17
Marked out of 1.0
1 Flag question

What is/are false related to SQLException when JDBC encounters an error during an interaction with a data source?

```
try {  
    Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");  
    Connection conn = DriverManager.getConnection(url);  
    Statement stmt = conn.createStatement();  
  
    ...  
  
} catch(SQLException e) {  
    System.out.println("Message = " + e.getMessage());  
    e.printStackTrace();  
}
```

Select one or more:

- a. The string object can be retrieved by calling the method getMessage ()
- b. The SQLException is occurred when Connection object is connected
- c. The SQLException instance contains the information that can help you determine the cause of the error.
- d. A description of the error can be called by providing the column name and index
- e. A description of the error can be retried by calling the method SQLException.getMessage ()

Quiz navigation

Finish attempt ...

Time left 0:19:42

1	2	3	4	5	6	7	
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35				

Consider the following code segment. Which is/are true ?

```
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("Select username, email from User");
while(rs.next())
{
    String name = rs.getString("username"); // line 1
    String email = rs.getString(2); // line 2
    System.out.println(name+"\t"+email);
}
```

Select one or more:

- a. Line 1 is incorrect
- b. The get method can called by providing the column name and index
- c. The ResultSet object maintains a cursor that points to the next row in the result set
- d. The SQL statements reads data from the database query and returns the result set
- e. Line 2 is incorrect

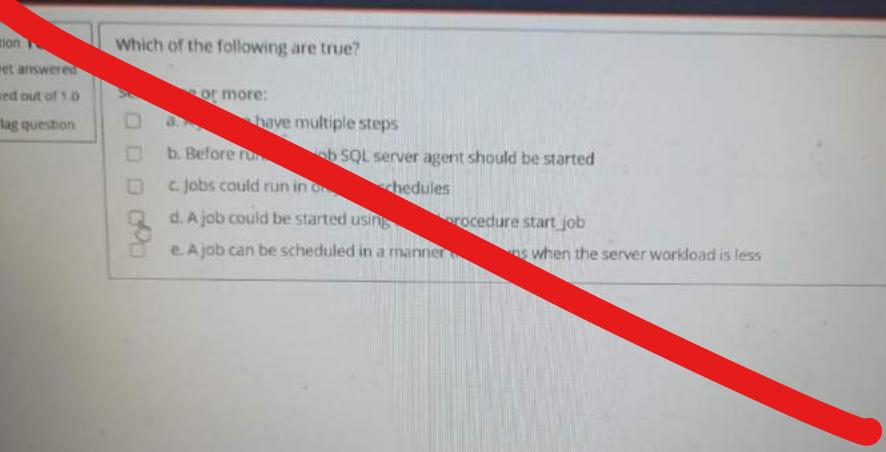
Which method is used for an SQL statement that is executed frequently?

Select one:

- a. createStatement
- b. prepareStatement
- c. executeStatement
- d. callStatement
- e. prepareCall

DELL



A large red diagonal line starts from the top-left corner of the question area and extends towards the bottom-right, effectively crossing out the entire question and its options.

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Question 1

Not yet answered

Marked out of 1.0

Flag question

Which of the following are true?

Select one or more:

- a. A job can have multiple steps
- b. Before running a job SQL server agent should be started
- c. Jobs could run in object-schedules
- d. A job could be started using system procedure start_job
- e. A job can be scheduled in a manner such that when the server workload is less

Next page

Consider the following code segment. Which is/are true related to the PreparedStatement ?

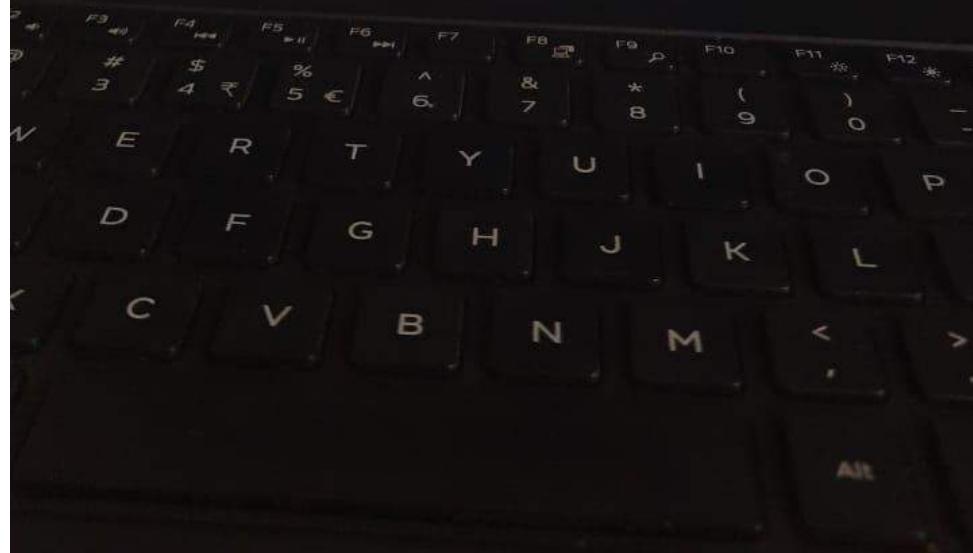
```
PreparedStatement ps = con.prepareStatement("insert into Customer (custID, lastName) values (?,?)");
```

Select one or more:

- a. Once a PreparedStatement is prepared, it cannot be reused after execution
- b. In the PreparedStatement you cannot provide insert fields
- c. The (?) mark is used to pass parameters into the insert command
- d. You cannot have more than one parameter in the PreparedStatement
- e. The value will be set by calling the setter methods of PreparedStatement



DELL



Which of the following is/are true related to ResultSet?

Select one or more:

- a. The next method in the ResultSet continues until end of the table is reached
- b. Through ResultSets it could be only moved forward
- c. ResultSets are scrollable
- d. ResultSet maintains a cursor that points to the current row in the result set
- e. executeUpdate method returns a resultSet object

Which of the following statements are true?

Select one or more:

- a. Type 1 driver uses database native protocol
- b. Driver manager might keep track of multiple drivers
- c. A Java application retrieving data from SQL server communicates with the database using a driver
- d. Type 2 driver converts the JDBC calls into database-specific calls
- e. In type 3 driver shows the highest performance among the drivers

— Type 4

Which of the following type of JDBC driver which is purely written in java?

Select one:

- a. Type 3 driver
- b. Type 1 driver
- c. Thin driver
- d. Network Pure Java Driver
- e.

Native API Driver

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Sri Lanka Institute of Information Technology

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ng question

Which of the following packages contain the JDBC classes?

Select one:

- a. rdb
- b. sql
- c. java.jdbc.sql
- d. jdbc
- e. javax.rdb

X | C | i | D

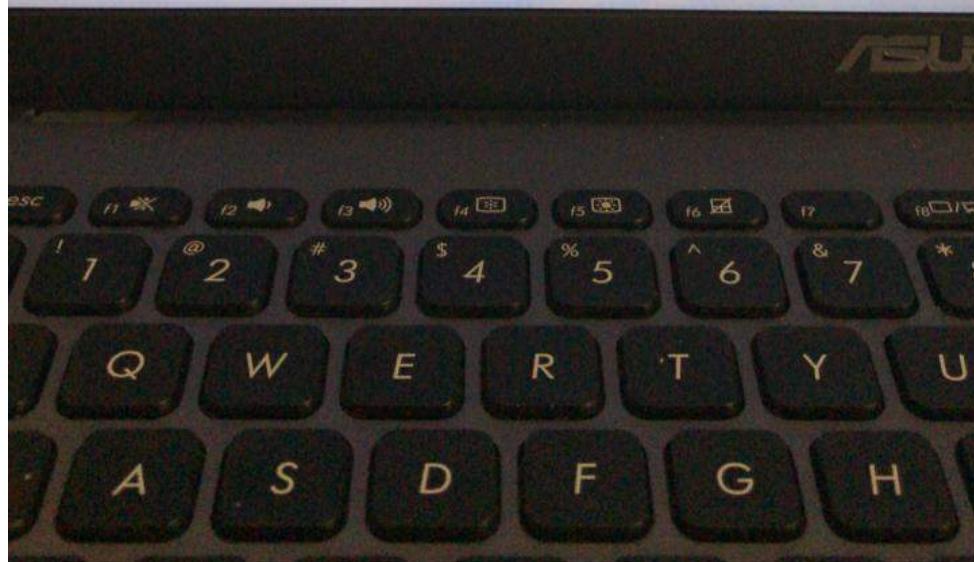
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Sri Lanka Institute of Information Technology

Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. ESS
- b. Select INTO
- c. BPC
- d. Migration wizard
- e. BULK INSERT

ASUS



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29	30	31	32

```
Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
Connection con=DriverManager.getConnection(url);
Statement stmt=con.createStatement();

}

catch(SQLException e)
{
    System.out.println("Message = "+e.getMessage());
    sqe.printStackTrace();
}

}

Select one or more:
 a. The SQLException instance contains the information that can help you determine the cause of the error
 b. A description of the error can be called by providing the column name and index
 c. The SQLException is occurred when Connection object is connected
 d. A description of the error can be retied by calling the method SQLException.getLocalizedMessage()
 e. The string object can be retrieved by calling the method getMessage()
```

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Question 18
Not yet answered
Marked out of 1.0
Flag question

Consider the following code segment:

```
public static void main(String[] args) {
try {
    Class.forName("sun.jdbc.odbc.JdbcOdbcDriver").newInstance();
    Connection conn=DriverManager.getConnection(jdbcodbcdbConn,"master","my");
    Statement stmt = conn.createStatement();
}
}

Select one or more:
 a. This code use a type-1 driver
 b. the second parameter for the getConnection method is the database name
 c. Driver manager encapsulates an SQL statement which is passed to the database
 d. conn.open() is required in the coding to open the connection
 e. forName() method is used to load a database driver in JDBC
```

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Which of the following is/are true related to SQL Server import/export wizard?

Select one or more:

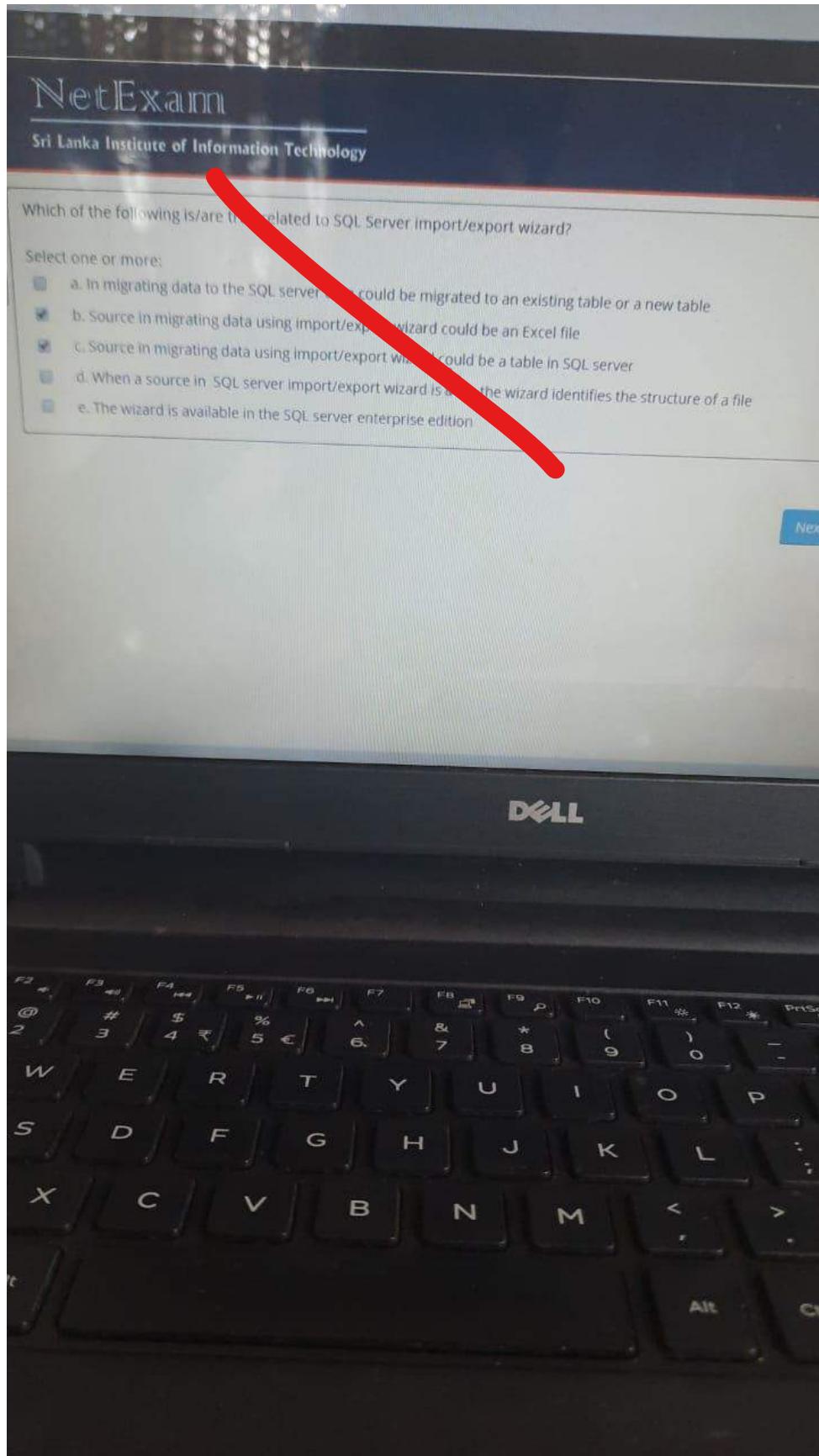
- a. In migrating data to the SQL server data could be migrated to an existing table or a new table
- b. When a source in SQL server import/export wizard is a file the wizard identifies the structure of a file
- c. Source in migrating data using import/export wizard could be an Excel file
- d. The wizard is available in the SQL server enterprise edition
- e. Source in migrating data using import/export wizard could be a table in SQL server

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Which of the following is/are true related to ResultSet?

Select one or more:

- a. ResultSet maintains a cursor that points to the current row in the result set
- b. ResultSets are scrollable
- c. Through ResultSets it could be moved forward
- d. executeUpdate method returns a resultSet object
- e. The next method in the ResultSet continues until end of the table is reached





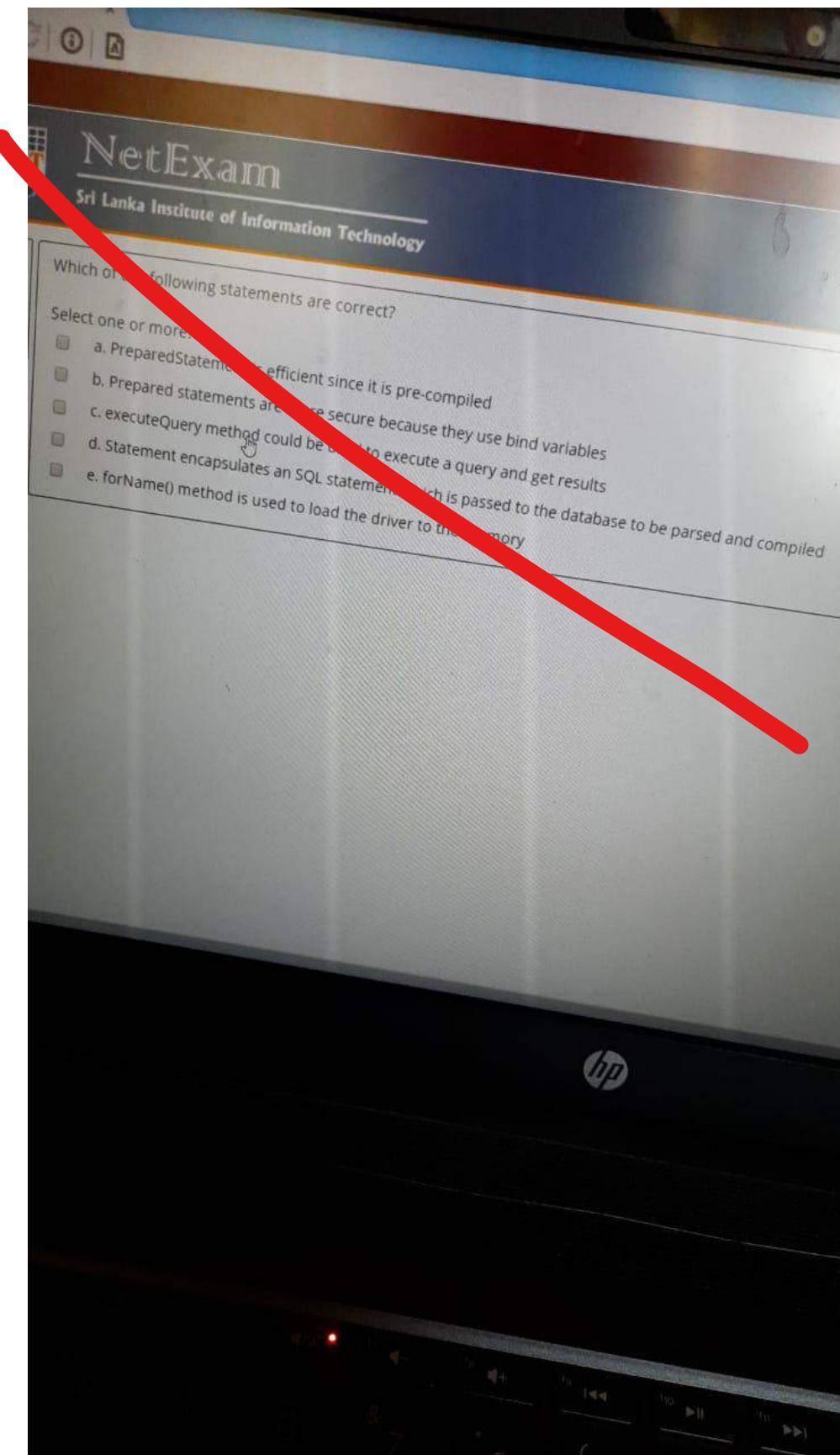
Q4

Answered
out of 1.0
question

Which of the following statements are true?

Select one or more:

- a. In type 2 driver shows the highest performance among the drivers
- b. Driver manager might keep track of multiple drivers
- c. Type 1 driver uses database native protocol
- d. A Java application retrieving data from SQL server communicates with the database using a driver
- e. Type 2 driver converts the ODBC calls into database-specific calls



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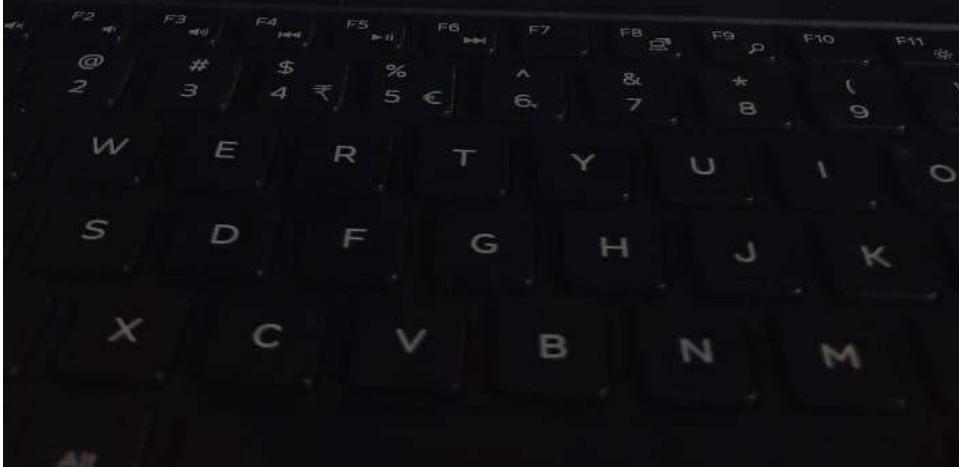
What is the correct sequence to create a database connection?

- a. Import JDBC packages.
- b. Open a connection to the database.
- c. Execute the statement object
- d. Create a statement object
- e. Close the resultset and statement objects.
- f. Load and register the JDBC driver.
- g. Process the resultset.
- h. Close the connection.

Select one:

- a. a, f, b, d, c, e, g, h
- b. a, b, f, d, c, e, g, h
- c. a, f, b, d, c, g, e, h
- d. a, f, b, d, c, h, e, g
- e. a, e, f, d, c, b, g, h

DELL



Consider the following code segment. Which is/are true ?

```
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("Select username, email from User");
while(rs.next())
{
    String name=rs.getString("username"); // line 1
    String email=rs.getString(2); // line 2
    System.out.println(name+"\t"+email);
}
```

Select one or more:

- a. The SQL statements reads data from the database query and returns the result set
- b. The ResultSet object maintains a cursor that points to the next row in the result set
- c. Line 2 is incorrect
- d. Line 1 is incorrect
- e. The get method can be called by providing the column name and index

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Question 14
yet answered
1.0 out of 1.0
Flag question

Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. Bulk INSERT
- b. Select INTO
- c. BPC
- d. SPSS
- e. Migration wizard

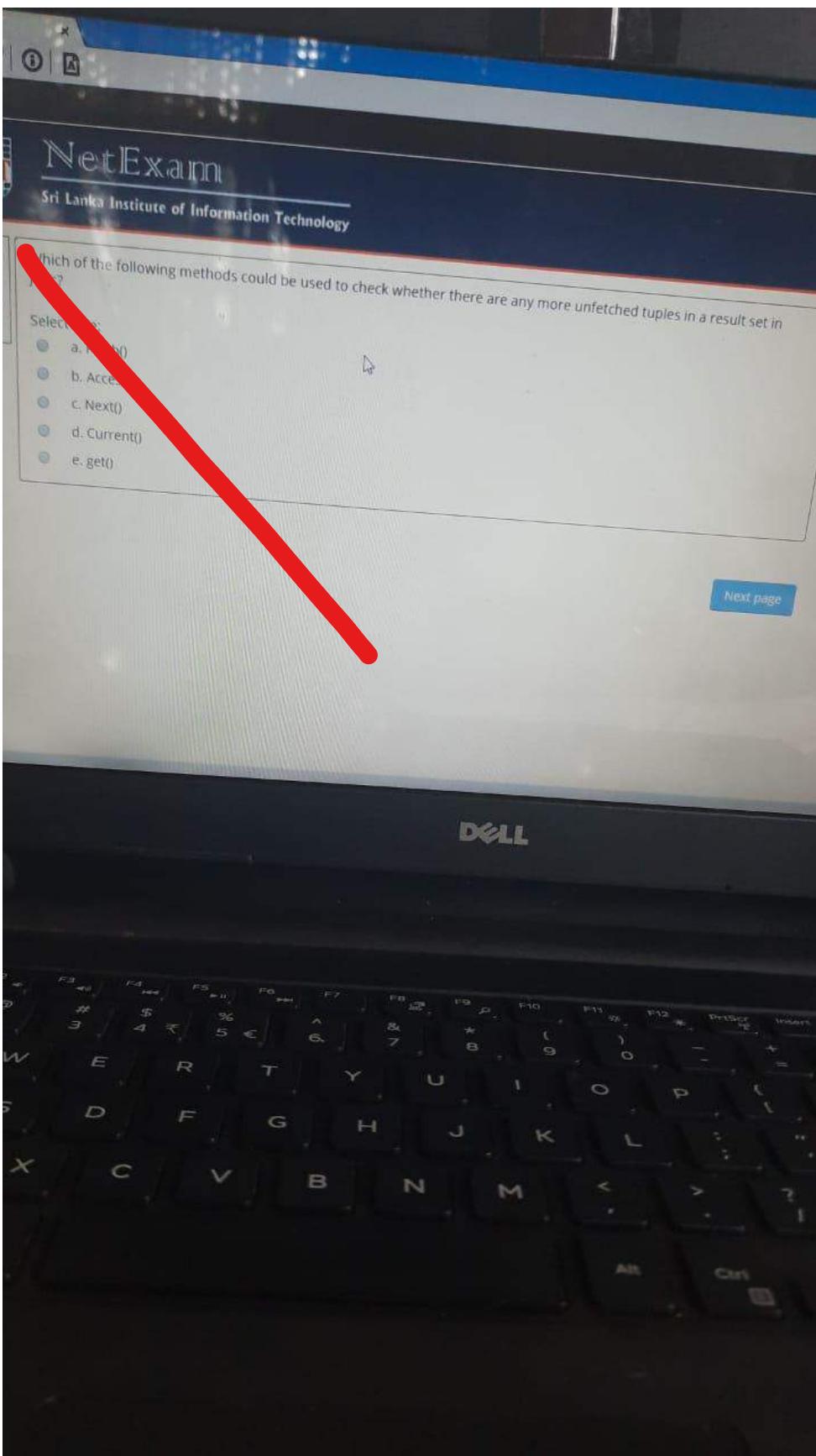
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Question 15
yet answered
1.0 out of 1.0
Flag question

Which of the following type of JDBC driver which is purely written in java?

Select one:

- a. Thin driver
- b. Type 3 driver
- c. Native API Driver
- d. Type 1 driver
- e. Network Pure Java Driver



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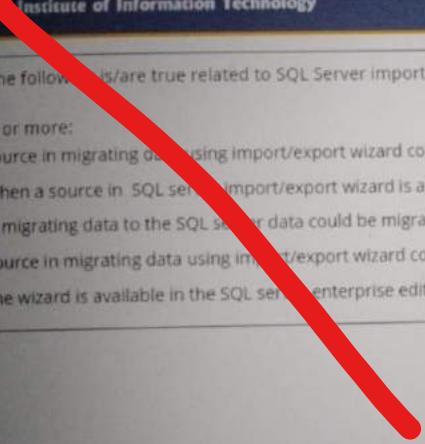
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Which of the following is/are true related to SQL Server import/export wizard?

Select one or more:

- a. Source in migrating data using import/export wizard could be an Excel file
- b. When a source in SQL server import/export wizard is a file the wizard identifies the structure of a file
- c. In migrating data to the SQL server data could be migrated to an existing table or a new table
- d. Source in migrating data using import/export wizard could be a table in SQL server
- e. The wizard is available in the SQL server enterprise edition

Next page



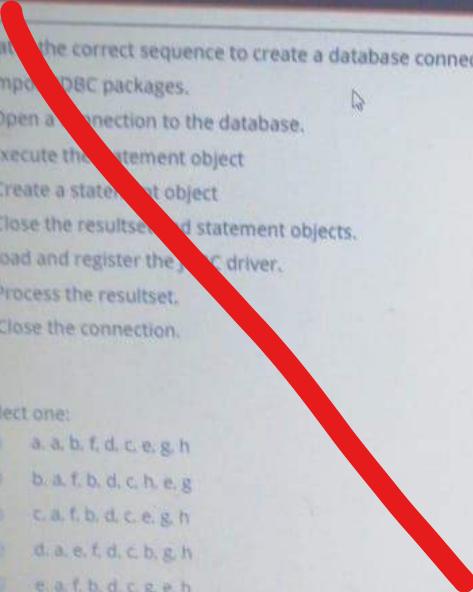
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What is the correct sequence to create a database connection?

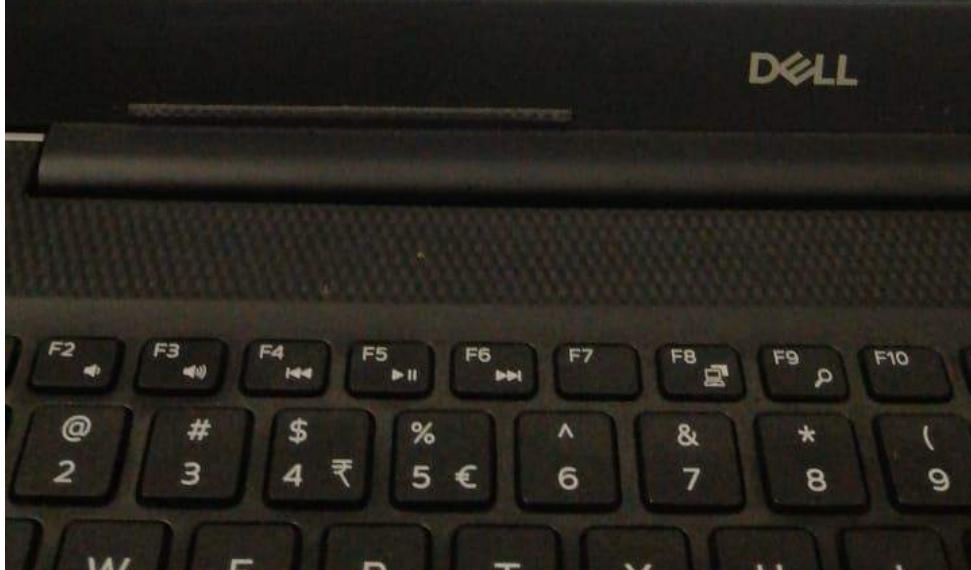
a. Import ODBC packages.
b. Open a connection to the database.
c. Execute the statement object
d. Create a statement object
e. Close the resultset and statement objects.
f. Load and register the JDBC driver.
g. Process the resultset.
h. Close the connection.

Select one:

a, b, f, d, c, e, g, h
 b, a, f, b, d, c, h, e, g
 c, a, f, b, d, c, e, g, h
 d, a, e, f, d, c, b, g, h
 e, a, f, b, d, c, g, e, h



DELL



ion 17

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log question

Consider the following code segment. Which is/are true ?

```
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("Select username, email from User");
while(rs.next())
{
    String name = rs.getString("username"); // line 1
    String email = rs.getString(2); // line 2
    System.out.println(name+"\t"+email);
}
```

Select one or more:

- a. Line 2 is incorrect
- b. The SQL statements reads data from the database query and returns the result set
- c. Line 1 is incorrect
- d. The ResultSet object maintains a cursor that points to the next row in the result set
- e. The get method can be called by providing the column name and index

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Consider the following code segment. Which is/are true related to the PreparedStatement ?

```
PreparedStatement ps = con.prepareStatement("insert into Customer (custID, lastName) values (?,?)");
```

Select one or more:

- a. Once a PreparedStatement is prepared, it cannot be reused after execution
- b. You cannot have more than one parameter in the PreparedStatement
- c. The (?) mark is used to pass parameters into the insert command
- d. In the PreparedStatement you cannot provide insert fields
- e. The value will be set by calling the setter methods of PreparedStatement

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Consider the following code segment:

```
public static void main(String[] args) {
    try {
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver").newInstance();
        Connection conn = DriverManager.getConnection(jdbcodbc:dbConn,"master", "my");
        Statement stmt = conn.createStatement();
    }
}
```

Select one or more:

- a. This code uses a type-1 driver
- b. conn.open() is required in the code to open the connection
- c. Driver manager encapsulates an SQL Statement which is passed to the database
- d. forName() method is used to load a database driver in JDBC
- e. the second parameter for the getConnection method is the database name

[Next Page](#)

The image shows a close-up view of a black Dell laptop keyboard. The Dell logo is visible on the top center of the keyboard. The keys are standard English characters and symbols, including the F1-F12 function keys at the top. The keyboard is illuminated, showing white lettering on the keys.

Section 15
Not yet answered
Marked out of 1.0
Flag question

Which of the following is/are true related to SQL Server import/export wizard?

Select one or more:

- a. Source in migrating data using import/export wizard could be a table in SQL server
- b. In migrating data to the SQL server data could be migrated to an existing table or a new table
- c. When a source in SQL server import/export wizard is a file the wizard identifies the structure of a file
- d. The wizard is available in the SQL server enterprise edition
- e. Source in migrating data using import/export wizard could be an Excel file

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Which of the following is/are true related to BCP tool?

Select one or more:

- a. All options that could be used with BCP utility could be obtained by executing BCP command in query editor
- b. Both `out` and `queryout` options could be used to import all content of a table to a file
- c. With BCP the output of a select query could be exported to a .txt file
- d. When an output file is not available the `''` should be given as the parameter
- e. BCP utility is installed when SQL server is installed

[Next page](#)

Consider the following code segment. Which is/are true related to the PreparedStatement ?

```
PreparedStatement ps = con.prepareStatement("insert into Customer (custID, lastName) values (?,?)");
```

Select one or more:

- a. You cannot have more than one parameter in the PreparedStatement
- b. The (?) mark is used to pass parameters into the insert command
- c. In the PreparedStatement you cannot provide insert fields
- d. The value will be set by calling the setter methods of PreparedStatement
- e. Once a PreparedStatement is prepared, it cannot be reused after execution

Next >

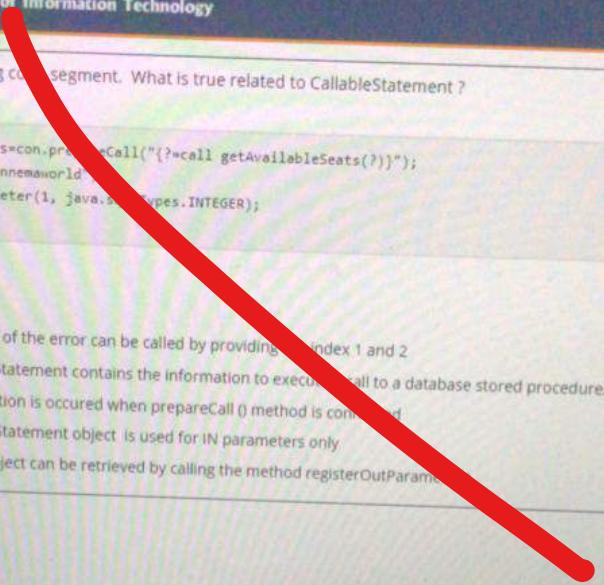
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Consider the following code segment. What is true related to CallableStatement ?

```
CallableStatement cs=con.prepareCall("{?=>call getAvailableSeats(?)}");
cs.setString(2, "Cinemaworld");
cs.registerOutParameter(1, java.sql.Types.INTEGER);
cs.execute();
```

Select one or more:

- a. A description of the error can be called by providing index 1 and 2
- b. The CallableStatement contains the information to execute a call to a database stored procedure, getAvailableSeats
- c. An SQLException is occurred when prepareCall () method is called
- d. The CallableStatement object is used for IN parameters only
- e. The string object can be retrieved by calling the method registerOutParameter



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Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. Migration wizard
- b. SPSS
- c. Select INTO
- d. BULK INSERT
- e. BPC

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question 15

Not yet answered

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Flag question

Which one of the following are true?

Select one or more:

a. Differential backups and transactional backups take backup from a specific date

b. Back up of the database should be done frequently

c. Full backup takes the backup of complete data as of today

d. With SQL server backup could be stored in an external URL

e. The process of recovering stores copies of critical files and folders from another medium known as



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on 13
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question

Which of the following is/are true related to BCP tool?

Select one or more:

- a. BCP tool is used to migrate data from SQL server to files
- b. With BCP data could be migrated from a view
- c. BCP tool is used to copy a bulk of data
- d. BCP is a GUI utility
- e. BCP tool is installed by default with Windows OS

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Which of the following are true?

Select one or more:

- a. Full backup takes the backup of complete data as of today
- b. Differential backups and transactional backups take backup from a specific date
- c. With SQL server backup could be stored in an external URL
- d. Back up of the database should be done frequently
- e. The process of recovering stored copies of critical files and folders from another medium known as data verification

Next page

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Consider the following code segment. What is/are false related to CallableStatement ?

```
CallableStatement cstmt = null;
try {
    String SQL = "{call getEmpName (?, ?)}";
    cstmt = conn.prepareCall (SQL);
    ...
}
catch (SQLException e) {
    ...
}
finally {
    ...
}
```

Select one or more:

- a. The callable statement is prepared by calling the conn.prepareCall ()
- b. String variable SQL, represents the stored procedure, with parameter placeholders
- c. SQLException is handled by introducing a try catch block
- d. The SQLException is occurred when prepareCall() is connected.
- e. Bind values to all the parameters before executing the statement, or will receive an SQLException





Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. SPSS
- b. Migration wizard
- c. BPC
- d. BULK INSERT
- e. Select INTO



Question 13

Not yet answered

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Flag question

Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. SPSS
- b. Select INTO
- c. BPC
- d. Migration wizard
- e. BULK INSERT

Question 19

Not yet answered

Marked out of 1.0

Flag question

What is/are false related to SQLException when JDBC encounters an error during an interaction with a data source?

```
try
{
    URL url = new URL("jdbc:sqlserver://localhost:1433;databaseName=master");
    Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
    Connection con=DriverManager.getConnection(url);
    Statement stt=con.createStatement();
}

catch(SQLException e)
{
    System.out.println("Message = "+e.getMessage());
    e.printStackTrace();
}
```

Select one or more:

- a. A description of the error can be called by providing the column name and index
- b. The string object can be retrieved by calling the method getMessage()
- c. A description of the error can be refined by calling the method SQLException.getMessage()
- d. The SQLException is occurred when Connection object is connected
- e. The SQLException instance contains the information that can help you determine the cause of the error

Quiz navigation

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Next page

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Question 13

Not yet answered

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Flag question

Which of the following are true?

Select one or more:

- a. A job can have multiple steps
- b. Jobs could run in only one schedules
- c. Before running a job, the server agent should be started
- d. A job could be started using stored procedure start_job
- e. A job can be scheduled in a manner that it runs when the server workload is less

Which statement/s would be **correct** with regards to SQL-stored procedure

Select one or more:

- a. Procedure can have zero or more output parameters
- b. Procedures can have input/output parameters
- c. Inside procedures data retrievals (e.g. Select) and data manipulations (e.g. Insert) could be performed
- d. Procedure can have only input parameters
- e. None of the given answers

Question 10

yet answered

Marked out of 1.0

Flag question

Which of the following is a proprietary extension of SQL for Microsoft SQL Server?

Select one:

- a. PL-SQL
- b. MS-SQL
- c. C-SQL
- d. P-SQL
- e. T-SQL



PRactical Guide

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Consider the following code segment. Which is/are true related to the PreparedStatement ?

```
PreparedStatement ps = con.prepareStatement("insert into Customer (custID, lastName) values (?,?)");
```

Select one or more:

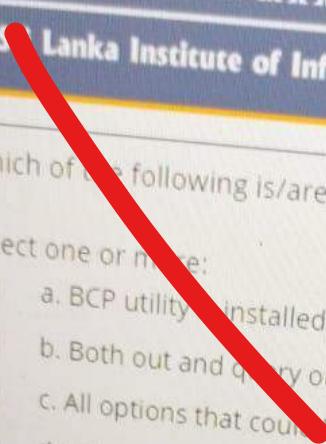
- a. In the PreparedStatement you cannot provide insert fields
- b. You cannot have more than one parameter in the PreparedStatement
- c. Once a PreparedStatement is prepared, it cannot be reused after execution
- d. The (?) mark is used to pass parameters into the Insert command
- e. The value will be set by calling the setter methods of PreparedStatement

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Which of the following are true?

Select one or more:

- a. Before running a job SQL server agent should be started
- b. A job can be scheduled in a manner that it runs when the server workload is less
- c. A job can have multiple steps
- d. Jobs could run in only one schedules
- e. A job could be started using stored procedure start_job



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Which of the following is/are true related to BCP tool?

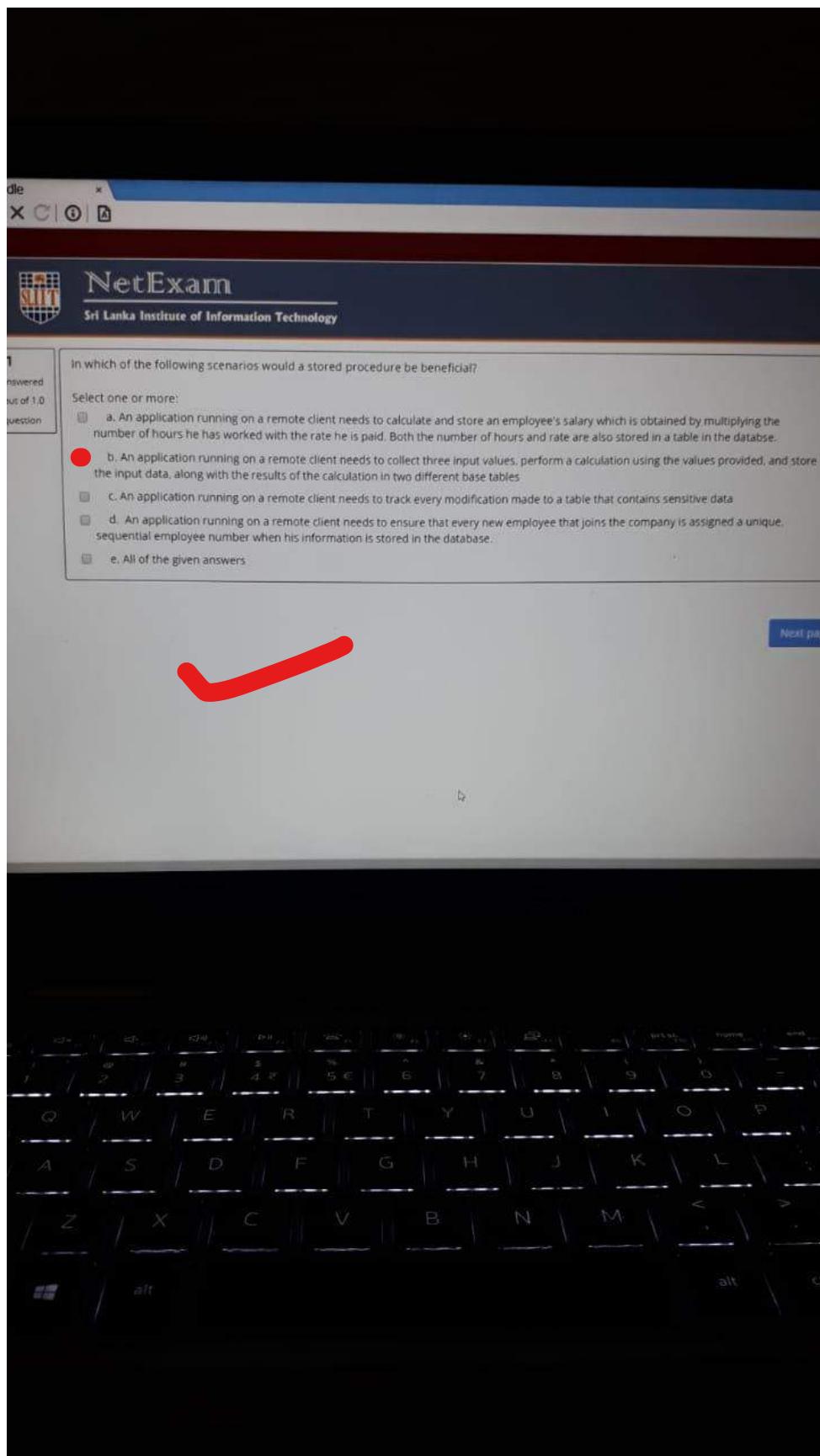
Select one or more:

- a. BCP utility is installed when SQL server is installed
- b. Both out and query out options could be used to import all cor
- c. All options that could be used with BCP utility could be obtained
- d. When an output file is not available the '' should be given as the
- e. With BCP the output of a select query could be exported to a .txt i

Which of the following are true?

Select one or more:

- a. The process of recovering stored copies of critical files and folders from another medium known as data.
- b. Backup of the database should be done frequently
- c. Full backup takes the backup of complete data as of today
- d. Differential backups and transactional backups take backup from a specific date
- e. With SQL server, backup could be stored in an external URL



 Sri Lanka Institute of Information Technology

Question 10
Not yet answered
Marked out of 1.0

The default parameter type in stored procedures is

Select one:

- a. OUT
- b. OUTPUT
- c. There is no default type
- d. IN
- e. INOUT

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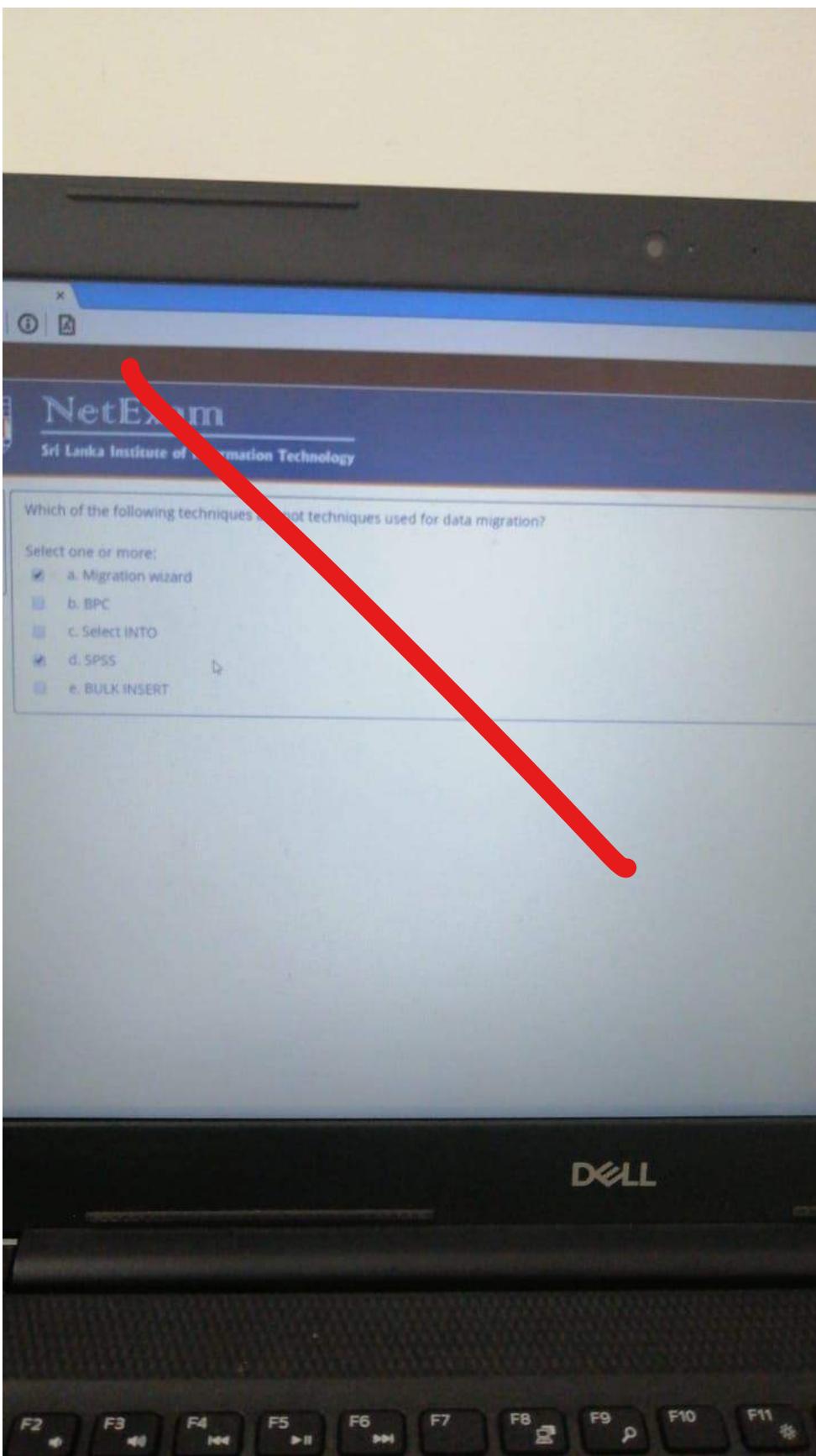
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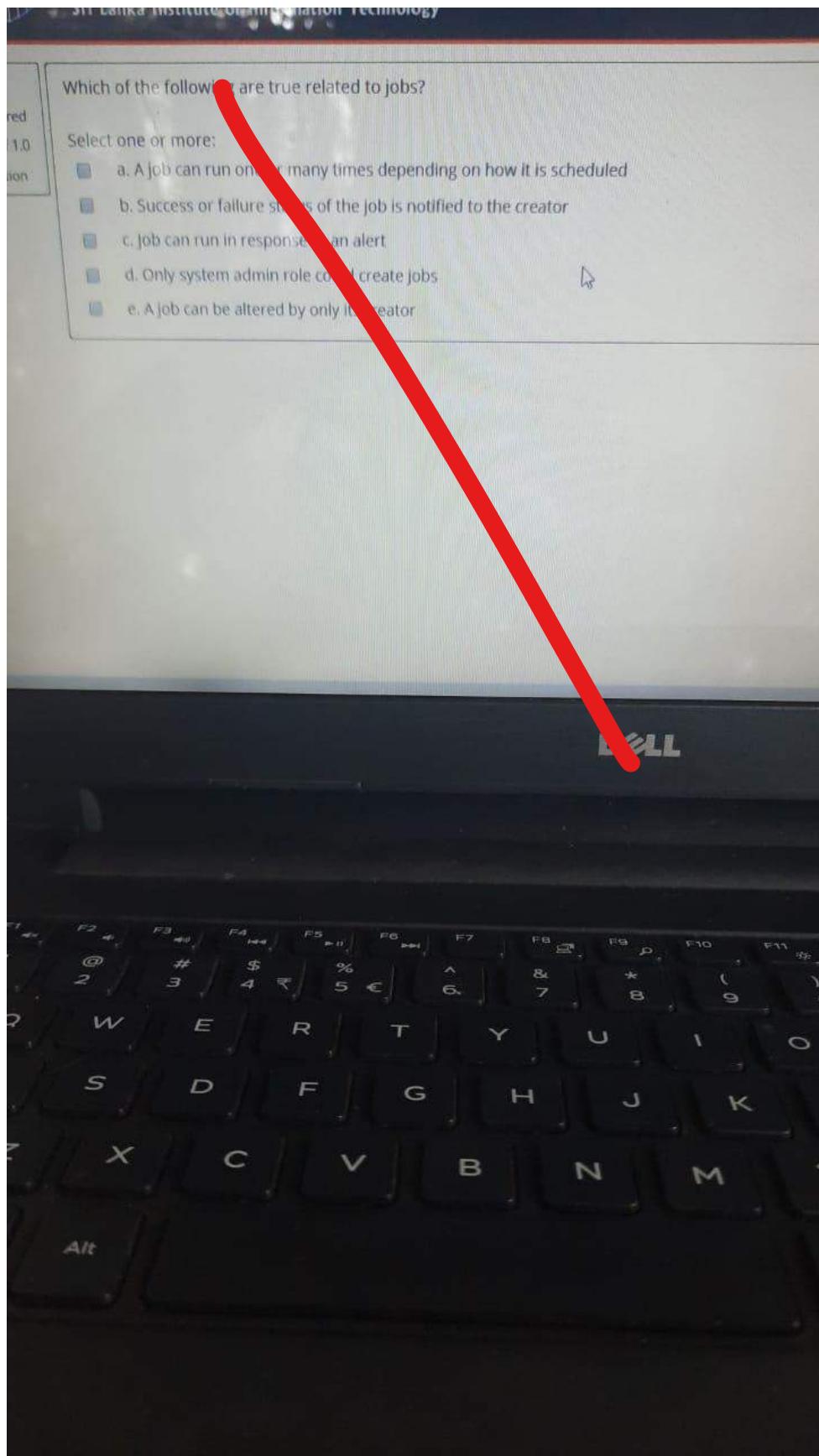
Which of the following statements are **true** about T-SQL functions?

Select one or more:

- a. A Function in SQL is a set of sql statements that accepts both input and output parameters and return the result
- b. A Function in SQL is a set of sql statements that accepts only input parameters, perform actions and return the result
- c. Functions are helpful to reduce network traffic between a client application and the database server
- d. Once a TSQL function is created it can be called any number of times in a client application using 'exec' statement
- e. None of the given

*







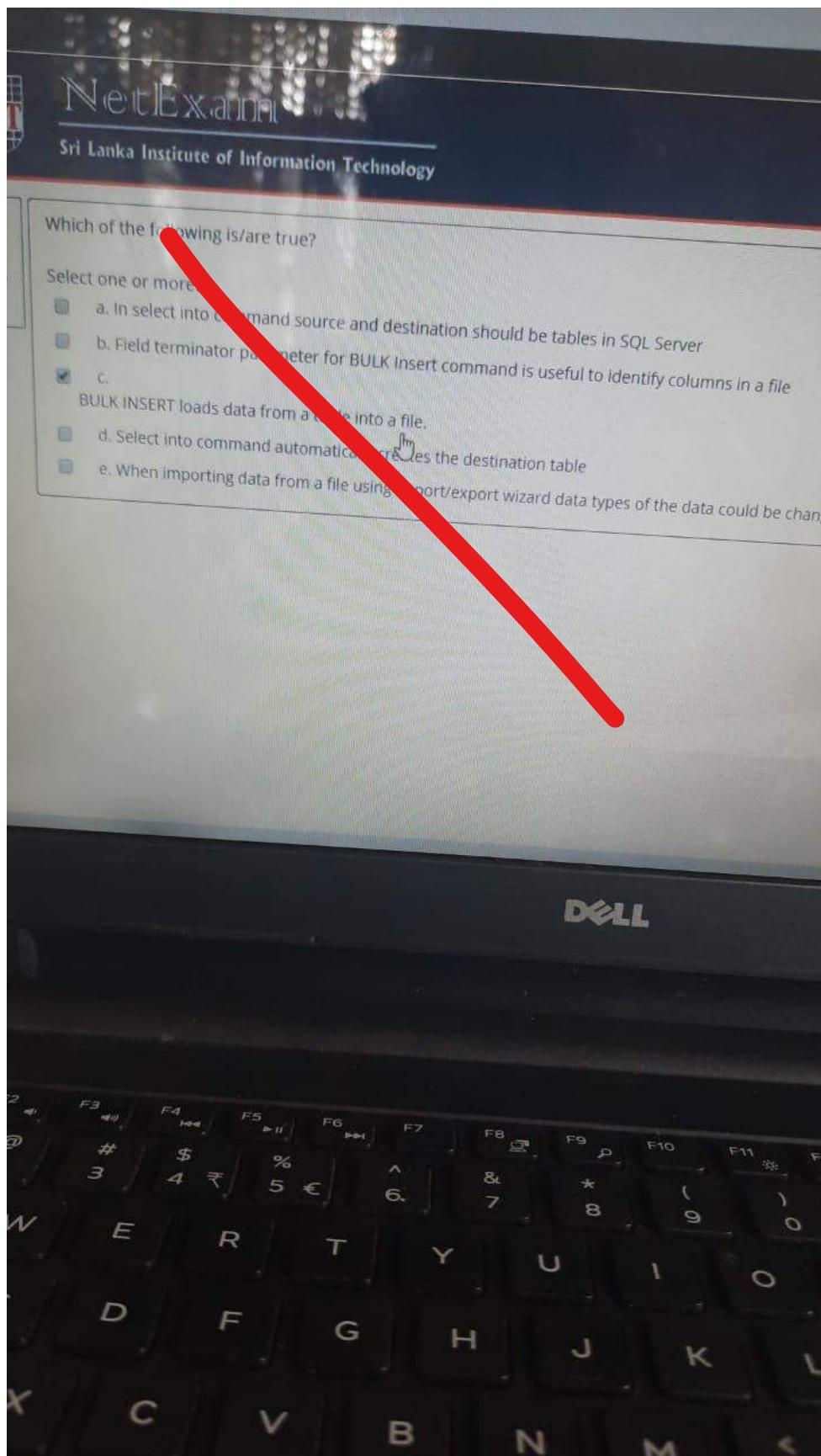
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st answered
ed out of 1.0
ng question

Which of the following is not an accurate statement about views?

Select one or more:

- a. Views can be used to restrict access to columns in a base table that contain sensitive data
- b. Views are publicly referenced names and no special authority or privilege is needed to use them.
- c. Views can be used to store queries that multiple applications execute on a regular basis in a database
- d. All views are updatable
- e. Views may degrade the performance of the database





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Question 1
Not yet answered
Marked out of 1.0
 Flag question

Which of the following is **not** an accurate statement about views?

Select one or more:

a. Views are publicly referenced names and no special authority or privilege is needed to use them.
 b. All views are updatable
 c. Views can be used to store queries that multiple applications execute on a regular basis in a database
 d. Views may degrade the performance of the database
 e. Views can be used to restrict access to columns in a base table that contain sensitive data



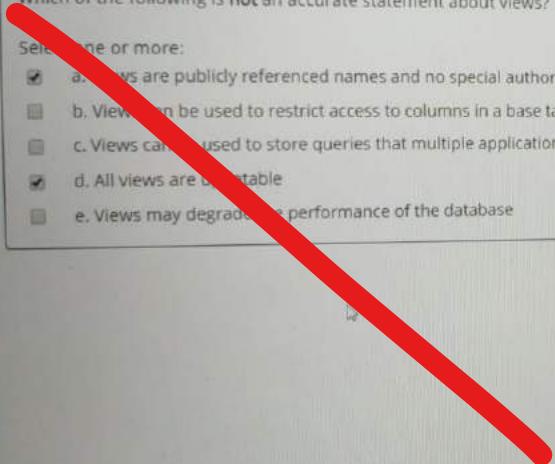
 NetExam
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Which of the following is **not** an accurate statement about views?

Select one or more:

a. Views are publicly referenced names and no special authority or privilege is needed to use them.
 b. Views can be used to restrict access to columns in a base table that contain sensitive data
 c. Views can be used to store queries that multiple applications execute on a regular basis in a database
 d. All views are updatable
 e. Views may degrade the performance of the database

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Code X C O A

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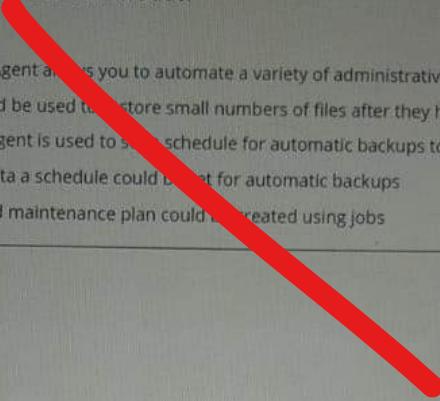
16
Answered
out of 1.0
Question

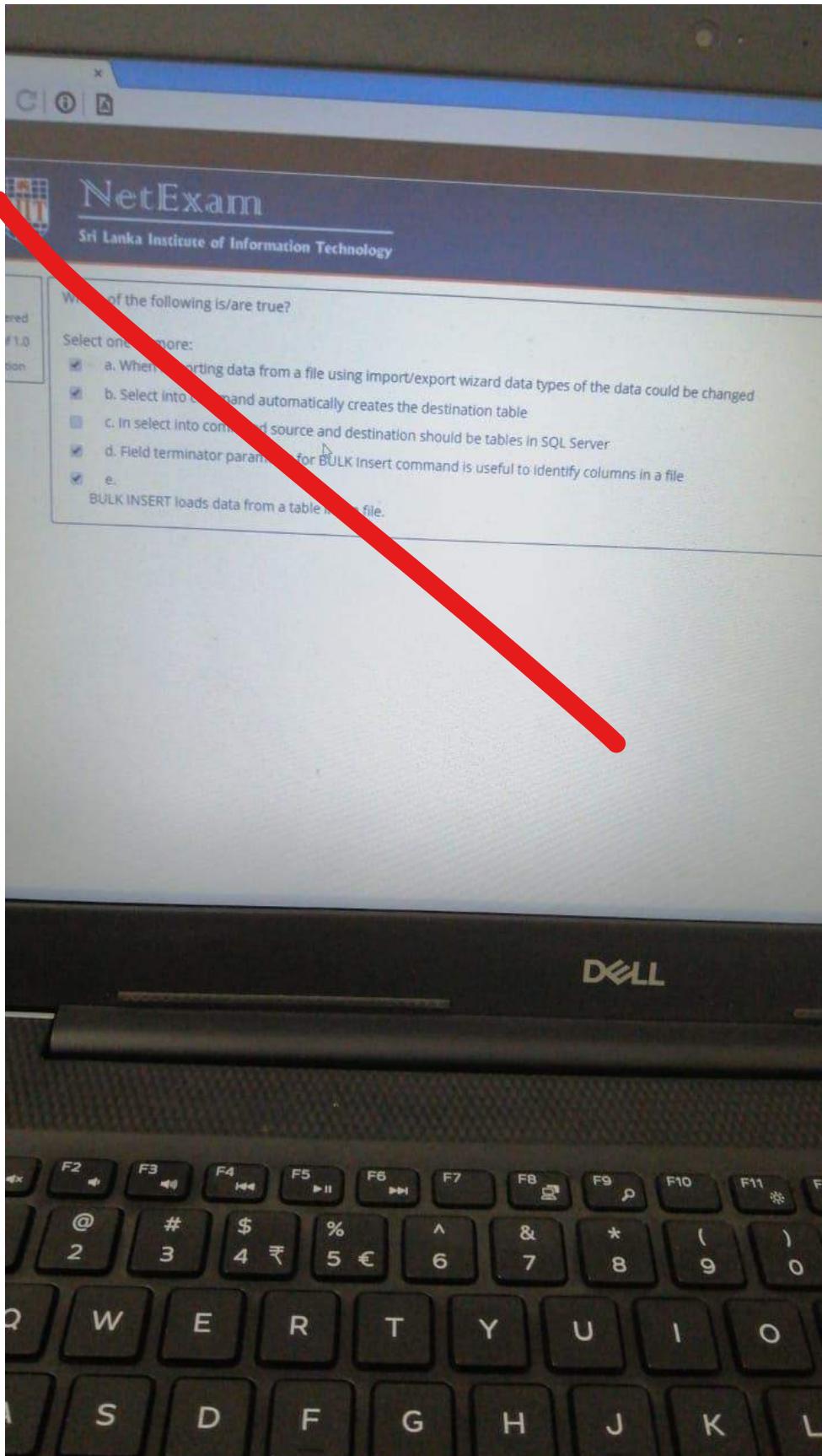
Which of the following statements are true?

Select one or more:

- a. SQL Server Agent allows you to automate a variety of administrative tasks.
- b. Backup could be used to restore small numbers of files after they have been accidentally deleted.
- c. SQL server agent is used to set a schedule for automatic backups to be done on a regular basis.
- d. To secure data a schedule could be set for automatic backups.
- e. A customized maintenance plan could be created using jobs.

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Question 19
Not yet answered
Marked out of 1.0
Flag question

Consider the following code segment. What is true related to CallableStatement?

```
CallableStatement cs=con.prepareCall("{?<call getAvailableSeats(?)}");  
cs.setString(2, "Cinemaworld");  
cs.registerOutParameter(1, java.sql.Types.INTEGER);  
cs.execute();
```

Select one or more:

- a. The string object can be retrieved by calling the method registerOutParameter()
- b. The CallableStatement object is used for IN parameters only
- c. A description of the cursor can be called by providing the index 1 and 2
- d. An SQLException is occurred when prepareCall () method is connected
- e. The CallableStatement contains the information to execute a call to a database stored procedure, getAvailableSeats

Next page

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Question 5
Not yet answered
Marked out of 1.0
Flag question

Which of the following statements are true ?

Select one or more:

- a. variables declared could be used in where clause only
- b. Consider the following T-SQL statements:

```
declare @cnt int
set @cnt=100
if (@cnt>75)
print 'inside the if statement'
print 'count is greater than 75'
```

The output for the above code is as follows :
inside the if statement
count is greater than 75
- c. "declare @ID int,@sum int" is a valid T-SQL statement
- d. Consider the following T-SQL statements

```
declare @cnt int
set @cnt=100
if (@cnt>75)
print 'inside the if statement'
print 'count is greater than 75'
else
print 'inside the else statement'
```

the above code will result an error
- e. Consider the following statements :

```
declare @tot int
select @tot=count(*) from student
```

executing the above statements will not display any output

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In which of the following scenarios would a stored procedure be beneficial?

Select one or more:

- a. An application running on a remote client needs to calculate and store an employee's salary which is obtained by multiplying the number of hours he has worked with the rate he is paid. Both the number of hours and rate are also stored in a table in the database.
- b. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables.
- c. An application running on a remote client needs to track every modification made to a table that contains sensitive data.
- d. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique sequential employee number when his information is stored in the database.
- e. All of the given answers

Next page

Consider the following code segment. What is true related to CallableStatement ?

```
CallableStatement cs=con.prepareCall("{?=call getAvailableSeats(?)}");
cs.setString(2, "cinnemaworld");
cs.registerOutParameter(1, java.sql.Types.INTEGER);
cs.execute();
```

Select one or more:

- a. The CallableStatement object contains the information to execute a call to a database stored procedure, getAvailableSeats
- b. An SQLException is occurred when prepareCall () method is connected
- c. A description of the error can be obtained by providing the index 1 and 2
- d. The CallableStatement object is used for all parameters only
- e. The string object can be retrieved by calling the method registerOutParameter()

Next page

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Question 15
answered
1 out of 1.0
question

Which of the following is/are true?

Select one or more:

a. BULK INSERT loads data from a table into a file.

b. In select into command source and destination should be tables in SQL Server

c. Field terminator parameter for BULK Insert command is useful to identify columns in a file

d. When importing data from a file using import/export wizard data types of the data could be changed

e. Select into command automatically creates the destination table

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Question 8
answered
0 out of 1.0
question

Which of the following statements are true about views?

Select one:

a. A view cannot be created with a GROUP BY clause in the SELECT statement.

b. A view cannot have an ORDER BY clause in the SELECT statement.

c. A view must have aliases defined for the column names in the SELECT statement.

d. A view can be created as a join on two or more tables.

e. A view is readonly



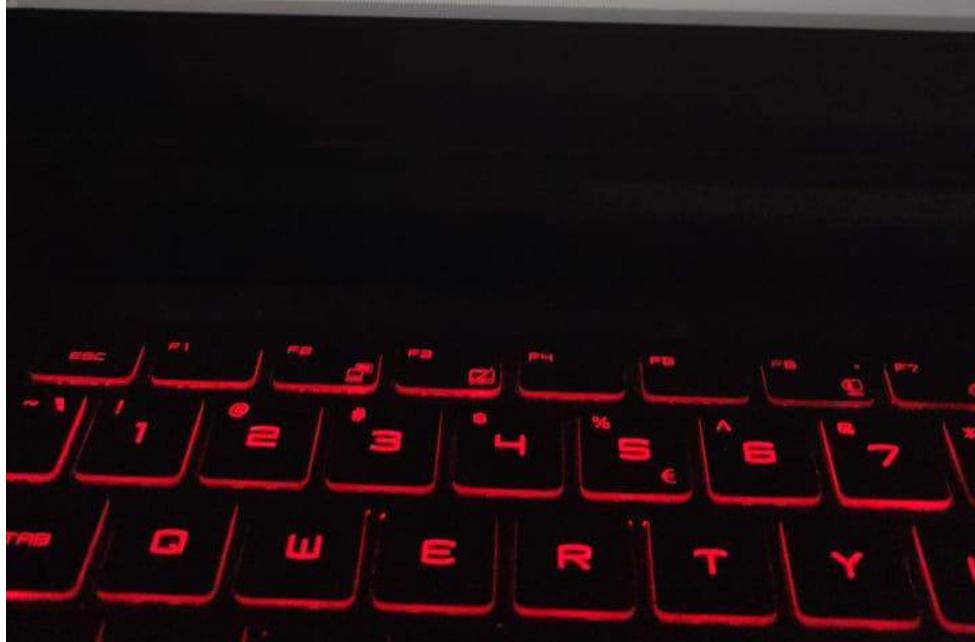
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Which of the following events will NOT cause a DML trigger on table to be activated?

Select one or more:

- a. A delete operation
- b. An update operation
- c. An alter table operation
- d. A select operation
- e. An insert operation



Question 13

Not yet answered

Marked out of 1.0

 Flag question

Which of the following are true?

Select one or more:

- a. A job can be scheduled in a manner that it runs when the server workload is less
- b. A job can have multiple steps
- c. Jobs could run in only one schedules
- d. Before running a job SQL server agent should be started
- e. A job could be started using stored procedure start_job

Question 12

Not yet answered

Marked out of 1.0

 Flag question

Which of the following is/are true related to BCP tool?

Select one or more:

- a. BCP utility is installed when SQL server is installed
- b. When an input file is not available the '' should be given as the parameter
- c. With BCP the output of a select query could be exported to a .txt file
- d. All options that could be used with BCP utility could be obtained by executing BCP command in query editor
- e. Both out and queryout options could be used to import all content of a table to a file

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Question 14

Not yet answered

Marked out of 1.0

Flag question

Which of the following is/are true related to BCP tool?

Select one or more:

- a. All options that could be used with BCP utility could be obtained by executing BCP command in query editor
- b. When an output file is not available the ' ' should be given as the parameter
- c. BCP utility is installed when SQL server is installed
- d. With BCP the output of a select query could be exported to a .txt file
- e. Both out and query out options could be used to import all content of a table to a file

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2
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Which of the following is **not** an accurate statement about views?

Select one or more:

- a. Views are publicly referenced names and no special authority or privilege is needed to use them
- b. All views are updatable
- c. Views can be used to store queries that multiple applications execute on a regular basis in a database
- d. Views may degrade the performance of the database
- e. Views can be used to restrict access to columns in a base table that contain sensitive data



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Question 6

Not yet answered

Marked out of 1.0

Flag question

Which of the following is/are related to triggers?

Select one or more:

- a. Inserted table have the same number of the columns as the table to which data are inserted
- b. Deleted is a virtual table
- c. The updated table stores the values which a table is updated with after an update operation
- d. The for clause in creating triggers are useful to specify the operations which will execute the trigger
- e. Before a trigger is created for insert operation, the inserted table should be created by the user



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Question 12

Not yet answered

Marked out of 1.0

Flag question

Which of the following is/are true related to BCP tool?

Select one or more:

- a. With BCP data could be migrated from a view
- b. BCP tool is used to copy a bulk of data
- c. BCP is a GUI utility
- d. BCP tool is installed default with Windows OS
- e. BCP tool is used to migrate data from SQL server to files



Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. BPC
- b. BULK INSERT
- c. Select INTO
- d. Migration wizard
- e. SPSS



Which of the following is/are true related to triggers

Select one or more:

- a. A trigger execute after the operation(insert,update,delete) has taken place in the table
- b. Triggers are useful for auditing and imposing business logic
- c. SQL server Triggers only respond to insert, update and delete operations.
- d. The for clause specifies the table name on which the trigger is to be attached
- e. In instead of triggers, trigger is executed before the table is updated

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The default parameter type in stored procedures is

Select one:

- a. There is no default type
- b. IN
- c. OUT
- d. INOUT
- e. OUTPUT



Question 12

Not yet answered

Marked out of 1.0

Flag question

Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. SPSS
- b. BULK INSERT
- c. Migration wizard
- d. Select INTO
- e. BPC



Question 11

Not yet answered

Marked out of 1.0

Flag question

Which of the following is/are true?

Select one or more:

- a. In select into command source and destination should be tables in SQL Server
- b. Select into command automatically creates the destination table
- c. When importing data from a file using import/export wizard data types of the data could be changed
- d. Field terminator parameter for BULK Insert command is useful to identify columns in a file
- e. BULK INSERT loads data from a table into a file.

[Next page](#)

- Which of the following statements are true?
- Select one or more:
- a. Backup could be used to restore small numbers of files after they have been accidentally deleted
 - b. To secure data a schedule could be set for automatic backups ▶
 - c. SQL Server Agent allows you to automate a variety of administrative tasks
 - d. SQL Server Agent is used to set a schedule for automatic backups to be done on a regular basis.
 - e. A customized maintenance plan could be created using jobs

Which of the following techniques are not techniques used for data migration?

Select one or more:

- a. Select INTO
- b. SPSS
- c. Migration wizard
- d. BPC
- e. BULK INSERT

Which of the following statements are true about T-SQL functions?

Select one or more:

- a. A Function in SQL is a set of sql statements that accepts both input and output parameters and return the result
- b. A Function in SQL is a set of sql statements that accepts only input parameters, perform actions and return the result.
- c. Functions are helpful to reduce network traffic between a client application and the database server
- d. Once a TSQL Function is created it can be called any number of times in a client application using 'exec' statement
- e. None of the given

Answer page

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16	17	18
19	20	21
22	23	24
25	26	27
28	29	30

The default parameter type in stored procedures is

Select one:

- a. OUT
- b. INOUT
- c. OUTPUT
- d. IN
- e. There is no default type

Question 2

Not yet answered

Marked out of 1.0

Flag question

Consider the following procedure:

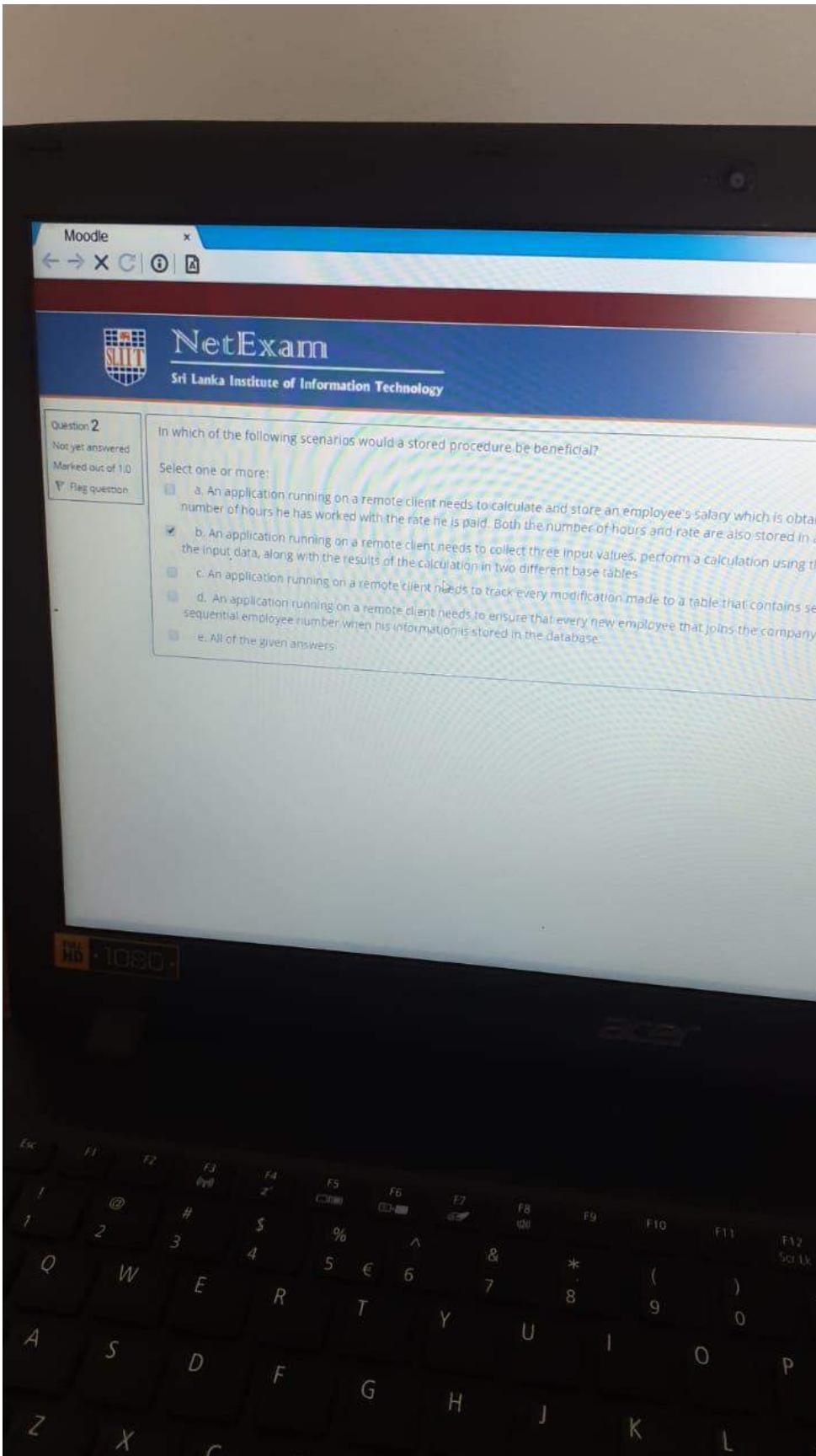
```
create procedure Swap(@x int out, @y int out)
as
begin
declare @tmp int
set @tmp = @x
set @x = @y
set @y = @tmp
end

declare @x1 int
declare @y1 int
set @x1 = 3
set @y1 = 4
exec swap @x1 out,@y1 out
print @x1
print @y1
```

Select the correct statement related to the above code.

Select one:

- a. @y is an input parameter and @x is an output parameter
- b. Both @x and @y are input and output parameters
- c. @x is an input parameter and @y is an output parameter
- d. @x and @y are input parameters only
- e. @x and @y are output parameters only



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Question 7

Not yet answered

Marked out of 1.0

Flag question

Which of the following is/are related to triggers?

Select one or more:

- a. Before a trigger is created for insert operation, the inserted table should be created by the user
- b. The updated table stores the values which a table is updated with after an update operation
- c. Inserted table have the same number of the columns as the table to which data are inserted
- d. Deleted is a virtual table
- e. The for clause in creating triggers are useful to specify the operations which will execute the trigger

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Question 6
Not yet answered
Marked out of 1.0
Flag question

Which of the following events will NOT cause a DML trigger on table to be activated?

Select one or more:

a. A select operation
 b. An update operation
 c. A delete operation
 d. An alter table operation
 e. An insert operation



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Which of the following statements are true ?

Select one or more:

- a. Consider the following statements :
declare @tot int
select @tot=count(*) from student
executing the above statements will not display any output


```
declare @cnt int  
set @cnt=100  
if (@cnt>75)  
print 'Inside the if statement'  
print 'count is greater than 75'
```

The output for the above code is as follows :

Inside the if statement
count is greater than 75

- c. Consider the following T-SQL statements

```
declare @cnt int  
set @cnt=100  
if (@cnt>75)  
print 'inside the if statement'  
print 'count is greater than 75'  
else  
print 'inside the else statement'
```

the above code will result an error.

d. variables declared could be used in where clause only

e. declare @ID int, @sum int is a valid T-SQL statement

Which of the following is **not** an accurate statement about views?

Select one or more:

- a. Views can be used to restrict access to columns in a base table that contain sensitive data
- b. All views are updatable
- c. Views are publicly referenced names and no special authority or privilege is needed to use them.
- d. Views can be used to store queries that multiple applications execute on a regular basis in a database
- e. Views may degrade the performance of the database

[Next page](#)



Question 11

Not yet answered

Marked out of 1.0

[Flag question](#)

Which of the following are true related to jobs?

Select one or more:

- a. A job can be altered by only its creator
- b. Success or failure status of the job is notified to the creator
- c. Job can run in response to an alert
- d. A job can run one or many times depending on how it is scheduled
- e. Only system admin role could create jobs

Consider the following procedure:

```
create procedure Swap(@x int out, @y int out)
as
begin
declare @tmp int
set @tmp = @x
set @x = @y
set @y = @tmp
end

declare @x1 int
declare @y1 int
set @x1 = 3
set @y1 = 4
exec swap @x1 out,@y1 out
print @x1
print @y1
```

Select the correct statement related to the above code.

Select one:

- a. @x and @y are output parameters only
- b. @y is an input parameter and @x is an output parameter
- c. @x and @y are input parameters only
- d. Both @x and @y are input and output parameters
- e. @x is an input parameter and @y is an output parameter

144Hz



Question 13

Not yet answered
Marked out of 1.0

Flag question

Which of the following statements are true?

Select one or more:

- a. A customized maintenance plan could be created using jobs
- b. SQL server agent is used to set a schedule for automatic backups to be done on a regular basis.
- c. To secure data a schedule could be set for automatic backups
- d. Backup could be used to restore small numbers of files after they have been accidentally deleted
- e. SQL Server Agent allows you to automate a variety of administrative tasks



Marked out of 1.0
Not yet answered

Which of the following is/are related to triggers?

Select one or more:

- a. The for clause in creating triggers are useful to specify the operations which will execute the trigger
- b. Before a trigger is created for insert operation, the inserted table should be created by the user
- c. Deleted is a virtual table
- d. Inserted table have the same number of the columns as the table to which data are inserted
- e. The updated table stores the values which a table is updated with after an update operation

Which of the following is/are true related to BCP tool?

Select one or more:

- a. With BCP the output of a select query could be exported to a .txt file
- b. BCP utility is installed when SQL server is installed
- c. When an output file is not available the ‘‘ should be given as the parameter
- d. All options that could be used with BCP utility could be obtained by executing BCP command in query editor
- e. Both out and query out options could be used to import all content of a table to a file

Next page

Which of the following is/are true related to BCP tool?

Select one or more:

- a. BCP tool is used to migrate data from SQL server to files
- b. BCP tool is installed default with Windows OS
- c. BCP tool is used to copy a bulk of data
- d. With BCP data could be migrated from a view
- e. BCP is a GUI utility



3

Answered
of 1.0
Question

Which of the following are true related to jobs?

Select one or more:

- a. Only system admin role could create jobs
- b. A job can run one or many times depending on how it is scheduled
- c. Job can run in response to an alert
- d. A job can be altered by only its creator
- e. Success or failure status of the job is notified to the creator.

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Question 2
Not yet attempted
Marked out of 1.0
1 Response

In which of the following scenarios would a stored procedure be beneficial?

Select one or more:

- a. An application running on a remote client needs to calculate and store an employee's salary which is obtained by multiplying the number of hours he has worked with the rate he is paid. Both the number of hours and rate are also stored in a table in the database.
- b. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data along with the results of the calculation in two different base tables.
- c. An application running on a remote client needs to track every modification made to a table that contains sensitive data.
- d. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique sequential employee number when his information is stored in the database.
- e. All of the given answers

Next page

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1 Answered
out of 1.0
question

Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl INSTEAD OF INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE, 'Insert');
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 5
- b. 4
- c. 2
- d. 3
- e. 0

Which of the following is **not** an accurate statement about views?

Select one or more:

- a. Views may degrade the performance of the database
- b. Views can be used to restrict access to columns in a base table to sensitive data
- c. Views can be used to store queries that multiple applications execute on a regular basis in a database
- d. Views are publicly referenced names and no special authority or privilege is needed to use them.
- e. All views are updatable



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Question 6
Not yet answered
Marked out of 1.0
Flag question

The default parameter type in stored procedures is

Select one:

- a. INOUT
- b. There is no default type
- c. IN
- d. OUTPUT
- e. OUT

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Question 10
Not yet answered
Marked out of 1.0
 Flag question

Which statement/s would be correct with regards to SQL-stored procedure

Select one or more:

- a. Procedure can have zero or more output parameters
- b. Procedures can have input/output parameters
- c. Inside procedures data retrievals (e.g. Select) and data manipulations (e.g. Insert) could be performed
- d. Procedure can have only input parameters
- e. None of the given answers

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Which of the following statements are true about T-SQL functions?

Select one or more:

- a. A Function in SQL is a set of sql statements that accepts both input and output parameters and return the result.
- b. A Function in SQL is a set of sql statements that accepts only input parameters, perform actions and return the result.
- c. Functions are helpful to reduce network traffic between a client application and the database server
- d. Once a TSQL function is created it can be called any number of times in a client application using 'exec' statement.
- e. None of the given

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Consider the following statements to create a view.

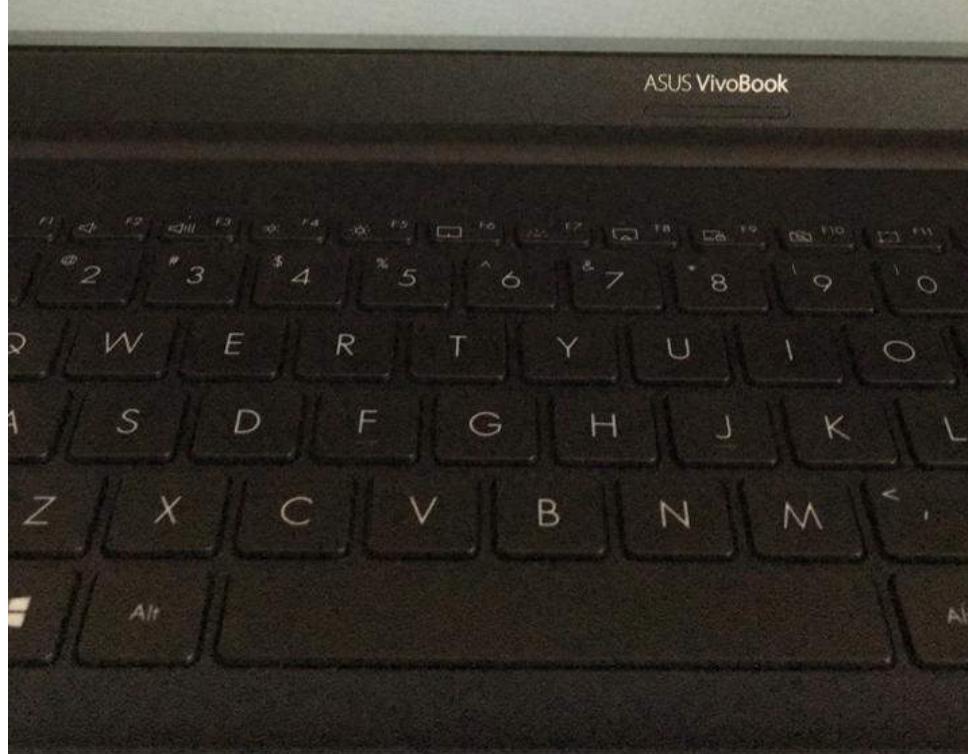
Create view product_Supplies (PID,Name,Supplier,TotalItems,TotPay)
as
select p.ProductID,p.ProductName,s.supplierName, Sum(sp.numItems), SUM(sp.numItems*sp.price)
from Product p, Suppliers s, Supplies sp
where p.productID=sp.productID and sp.supplierID=s.supplierID
group by ProductID,ProductName,supplierName

Which of the following statements are true related to the above.

Select one or more:

- a. Renaming the columns in this view is not mandatory
- b. Any query written over Products, Suppliers or Supplies tables could be performed on this view
- c. This view is not updatable
- d. This view is helpful for stakeholders who only need to see information such as total pay and do not need to edit it.
- e. The query "select supplierName from product_supplies where TotalItems>100" will return the supplier Name of each supplier supplied more than a total of 100 items

ASUS VivoBook



**Question 1**

Not yet answered

Marked out of 1.0

Flag question

Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl FOR INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE,'Insert');
END
If user USER1 executes the following statements:
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
How many new records will be written to the database tables?
```

Select one:

- a. 3
- b. 4
- c. 5
- d. 0
- e. 2



Consider the following procedure:

```
create procedure Swap(@x int out, @y int out)
as
begin
declare @tmp int
set @tmp = @x
set @x = @y
set @y = @tmp
end

declare @x1 int
declare @y1 int
set @x1 = 3
set @y1 = 4
exec swap @x1 out,@y1 out
print @x1
print @y1
```

Select the correct statement related to the above code.

Select one:

- a. @x and @y are output parameters only
- b. @y is an input parameter and @x is an output parameter
- c. @x and @y are input parameters only
- d. Both @x and @y are input and output parameters
- e. @x is an input parameter and @y is an output parameter

144Hz

Section 2
yet answered
Marked out of 1.0
Flag question

In which of the following scenarios would a stored procedure be beneficial?

Select one or more:

- a. An application running on a remote client needs to calculate and store an employee's salary which is obtained by multiplying the number of hours he has worked with the rate he is paid. Both the number of hours and rate are also stored in a table in the database.
- b. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables.
- c. An application running on a remote client needs to track every modification made to a table that contains sensitive data.
- d. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique sequential employee number when his information is stored in the database.
- e. All of the given answers

Moodle

In which of the following scenarios would a stored procedure be beneficial?

Select one or more:

- a. An application running on a remote client needs to calculate and store an employee's salary which is obtained by multiplying the number of hours he has worked with the rate he is paid. Both the number of hours and rate are also stored in a table in the database.
- b. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables.
- c. An application running on a remote client needs to track every modification made to a table that contains sensitive data.
- d. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique sequential employee number when his information is stored in the database.
- e. All of the given answers

Next page



Question 7

Not yet answered.

Marked out of 1.0

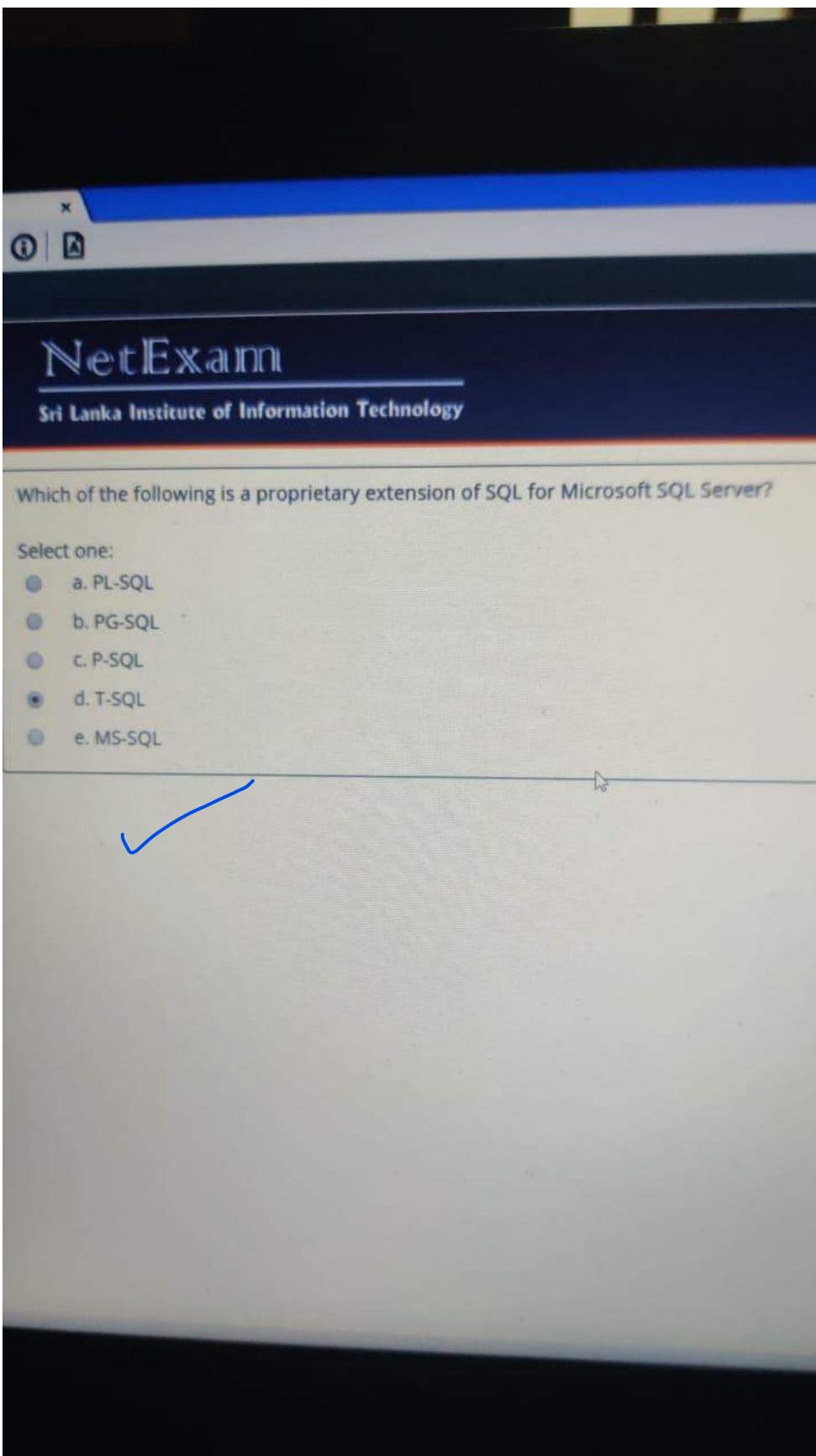
Flag question

Which of the following statements are **true** about T-SQL functions?

Select one or more:

- a. A Function in SQL is a set of sql statements that accepts both input and output parameters and return the result;
- b. A Function in SQL is a set of sql statements that accepts only input parameters, perform actions and return the result;
- c. Functions are helpful to reduce network traffic between a client application and the database server;
- d. Once a TSQL function is created it can be called any number of times in a client application using 'exec' statement;
- e. None of the given.

Next



Question 5
Not yet answered
Marked out of 1.0
[Flag question](#)

Consider the following statements to create a view

```
Create view product_supplies (PID,ProductName,Supplier,TotItems,TotPay)
as
select p.ProductID,p.ProductName,s.supplierName, Sum(sp.numItems), SUM(sp.numItems*sp.price)
from Product p, Supplier s, Supplies sp
where p.productID=sp.productID and sp.supplierID=s.supplierID
group by ProductID,ProductName,supplierName
```

Which of the following statements are true related to the above.

Select one or more:

- a. The query "select supplierName from product_supplies where TotItems>100" will return the supplier Name of each supplier who had supplied more than a total of 100 items.
- b. Renaming the columns in this view is not mandatory
- c. This view is helpful for stakeholders who only need to see information such as total pay and do not need to edit it.
- d. Any query written over Products, Suppliers or Supplies tables could be performed on this view
- e. This view is not updatable

[Next page](#)

 Sri Lanka Institute of Information Technology

Question 11
Not yet answered
Marked out of 1.0
[Flag question](#)

Which of the following is/are true?

Select one or more:

- a. When importing data from a file using import/export wizard data types of the data could be changed
- b. Field terminator parameter for BULK Insert command is useful to identify columns in a file
- c. Select into command automatically creates the destination table
- d. In select into command source and destination should be tables in SQL Server
- e. BULK INSERT loads data from a table into a file.

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Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl FOR INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT_USER, CURRENT_DATE, 'Insert');
END
```

If user USER1 executes the following statements:

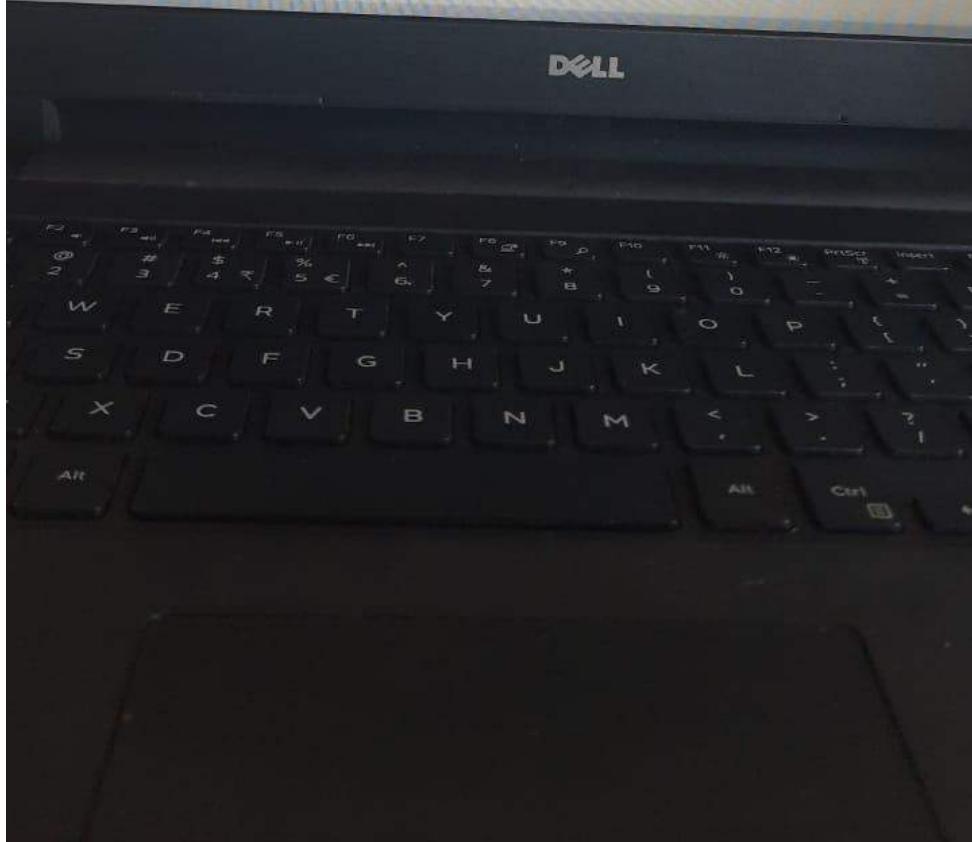
```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 0
- b. 5
- c. 3
- d. 2
- e. 4

DELL



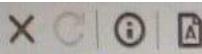


If a view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY, which of the following is **not** an accurate statement?

Select one or more:

- a. All data, except SALARY data that is stored in the EMPLOYEE table is copied to a separate physical location when V1 is created.
- b. View V1 can be used as a data source for other views
- c. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY information
- d. View V1 cannot be used as a data source for other views
- e. No data is copied to a separate physical location when V1 is created

Next >



6

Answered

out of 1.0

question

Which of the following statements are true ?

Select one or more:

- a. Variables declared could be used in where clause only

- b. Consider the following T-SQL statements

```
declare @cnt int  
set @cnt=100  
if (@cnt>75)  
print 'inside the if statement'  
print 'count is greater than 75'  
else  
print 'inside the else statement'
```

the above code will result an error

- c. Consider the following T-SQL statements:

```
declare @cnt int  
set @cnt=100  
if (@cnt>75)  
print 'inside the if statement'  
print 'count is greater than 75'
```

The output for the above code is as follows :

```
inside the if statement  
count is greater than 75
```

- d. Consider the following statements :

```
declare @tot int  
select @tot=count(*) from student
```

executing the above statements will not display any output

- e. "declare @ID int,@sum int" is a valid T-SQL statement



Which of the following is **not** an accurate statement about views?

Select one or more:

- a. Views can be used to restrict access to columns in a base table that contain sensitive data
- b. Views can be used to store queries that multiple applications execute on a regular basis in a database
- c. Views may degrade the performance of the database
- d. Views are publicly referenced names and no special authority or privilege is needed to use them.
- e. All views are updatable

swered
ut of 1.0
Question

Consider the following procedure:

```
create procedure Swap(@x int out, @y int out)
as
begin
    declare @tmp int
    set @tmp = @x
    set @x = @y
    set @y = @tmp
end

declare @x1 int
declare @y1 int
set @x1 = 3
set @y1 = 4
exec swap @x1 out,@y1 out
print @x1
print @y1
```



Select the correct statement related to the above code.

Select one:

- a. @x is an input parameter and @y is an output parameter
- b. Both @x and @y are input and output parameters
- c. @x and @y are output parameters only
- d. @y is an input parameter and @x is an output parameter
- e. @x and @y are input parameters only

Moodle

Question 4
yet answered
Marked out of 1.0
Flag question

Consider the following procedure:

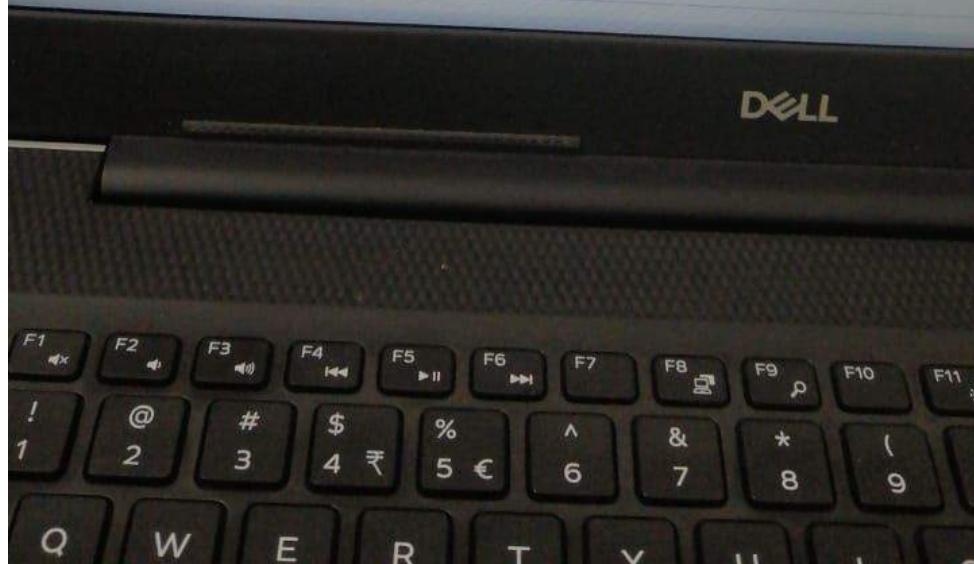
```
create procedure Swap(@x int out, @y int out)
as
begin
declare @tmp int
set @tmp = @x
set @x = @y
set @y = @tmp
end

declare @x1 int
declare @y1 int
set @x1 = 3
set @y1 = 4
exec swap @x1 out,@y1 out
print @x1
print @y1
```

Select the correct statement related to the above code.

Select one:

- a. @x is an input parameter and @y is an output parameter
- b. @x and @y are output parameters only
- c. @x and @y are input parameters only
- d. Both @x and @y are input and output parameters
- e. @y is an input parameter and @x is an output parameter



idle x

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5 answered out of 1.0 question

Which of the following statements are true ?

Select one or more:

a. variables declared could be used in where clause only

b. "declare @ID int,@sum int" is a valid T-SQL statement

c. Consider the following T-SQL statements:
declare @cnt int
set @cnt=100
if (@cnt>75)
print 'inside the if statement'
print 'count is greater than 75'
The output for the above code is as follows :
inside the if statement
count is greater than 75

d. Consider the following T-SQL statements
declare @cnt int
set @cnt=100
if (@cnt>75)
print 'inside the if statement'
print 'count is greater than 75'
else
print 'inside the else statement'
the above code will result an error

e. Consider the following statements :
declare @tot int
select @tot=(count(*)) from student
executing the above statements will not display any output

Which of the following is/are related to triggers?

Select one or more:

- a. The for clause in creating triggers are useful to specify the operations which will execute the trigger
- b. Before a trigger is created for insert operation, the inserted table should be created by the user
- c. Deleted is a virtual table
- d. Inserted table have the same number of the columns as the table to which data are inserted
- e. The updated table stores the values which a table is updated with after an update operation

If a view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY, which of the following is **not** an accurate statement?

Select one or more:

- a. View V1 can be used as a data source for other views
- b. No data is copied to a separate physical location when V1 is created
- c. All data, except SALARY data that is stored in the EMPLOYEE table is copied to a separate physical location when V1 is created
- d. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY information
- e. View V1 cannot be used as a data source for other views

[Next page](#)



Question 12

Not yet answered

Marked out of 1.0

 Flag question

Which of the following are true?

Select one or more:

- a. Differential backups and transactional backups take backup from a specific date
- b. The process of recovering stored copies of critical files and folders from another medium known as data verification
- c. Full backup takes the backup of complete data as of today
- d. With SQL server backup could be stored in an external URL
- e. Back up of the database should be done frequently

[Next page](#)

Network connection lost. (Autosave failed).

Make a note of any responses entered on this page in the last few minutes, then try to re-connect.

Once connection has been re-established, your responses should be saved and this message will disappear.

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Which statement/s would be correct with regards to SQL-stored procedure

Select one or more:

- a. Procedure can have zero or more output parameters
- b. Procedures can have input/output parameters
- c. Inside procedures data retrievals (e.g. Select) and data manipulations (e.g. insert) could be performed
- d. Procedure can have only input parameters
- e. None of the given answers

Next Question

Quiz navigation

Finish attempt

Time left 0:45:46

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	

Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));  
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, act  
VARCHAR(20));  
CREATE TRIGGER trig_tblAudit ON tbl FOR INSERT AS  
BEGIN  
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT  
DATE, 'Insert');  
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');  
INSERT INTO tbl (col1) VALUES (2);  
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 4
- b. 0
- c. 2
- d. 5
- e. 3



Type here...

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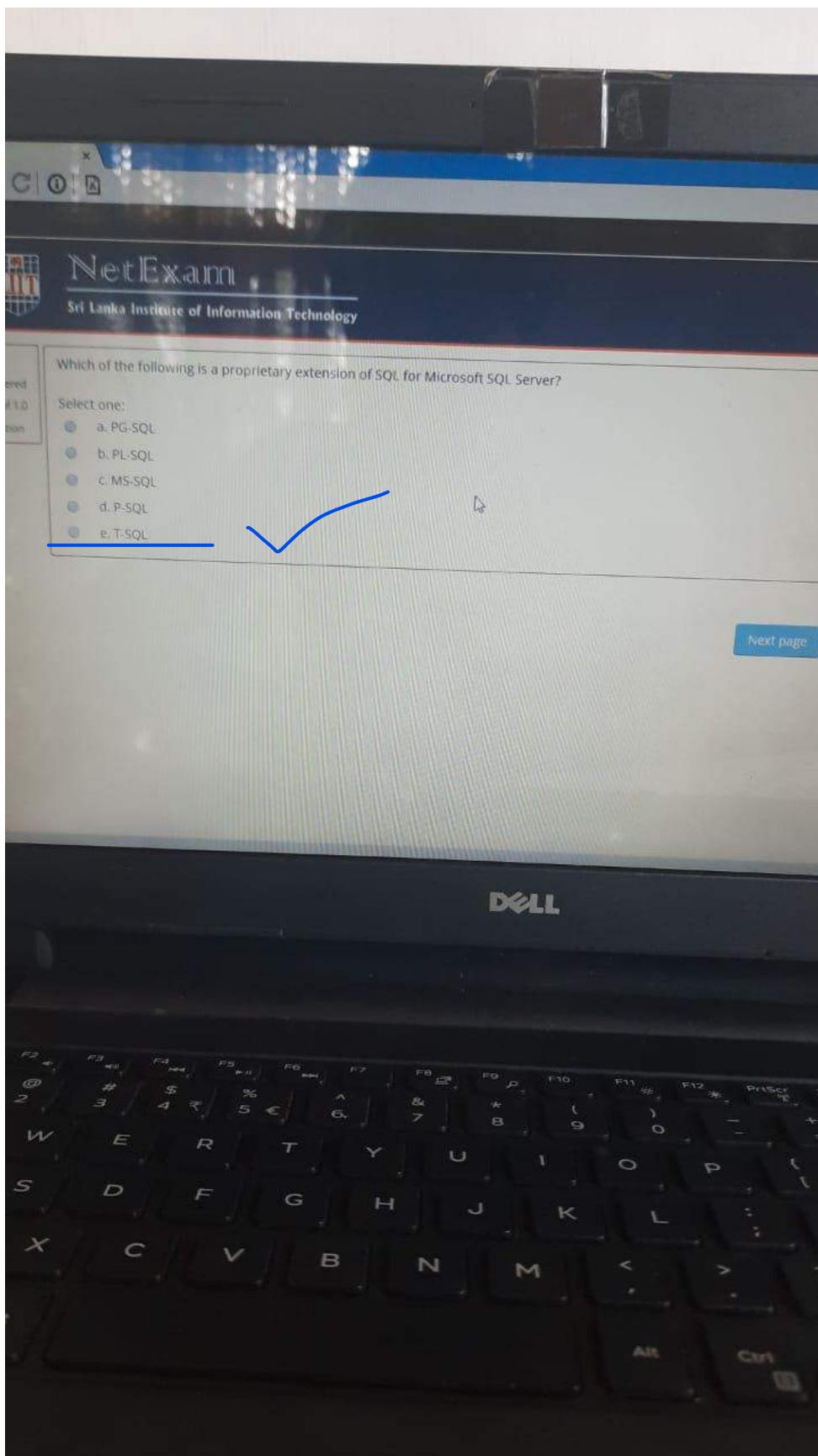
Which of the following statements are **true** about views?

Select one:

- a. A view is readonly
- b. A view must have aliases defined for the column names in the SELECT statement.
- c. A view can be created as a join on two or more tables.
- d. A view cannot have an ORDER BY clause in the SELECT statement.
- e. A view cannot be created with a GROUP BY clause in the SELECT statement.

ASUS VivoBook







In which of the following scenarios would a stored procedure be beneficial?

Select one or more:

- a. An application running on a remote client needs to calculate and store an employee's salary which is obtained by multiplying the number of hours he has worked with the rate he is paid. Both the number of hours and rate are also stored in a table in the database.
- b. An application running on a remote client needs to collect three input values, perform a calculation using the values provided, and store the input data, along with the results of the calculation in two different base tables
- c. An application running on a remote client needs to track every modification made to a table that contains sensitive data
- d. An application running on a remote client needs to ensure that every new employee that joins the company is assigned a unique, sequential employee number when his information is stored in the database.
- e. All of the given answers

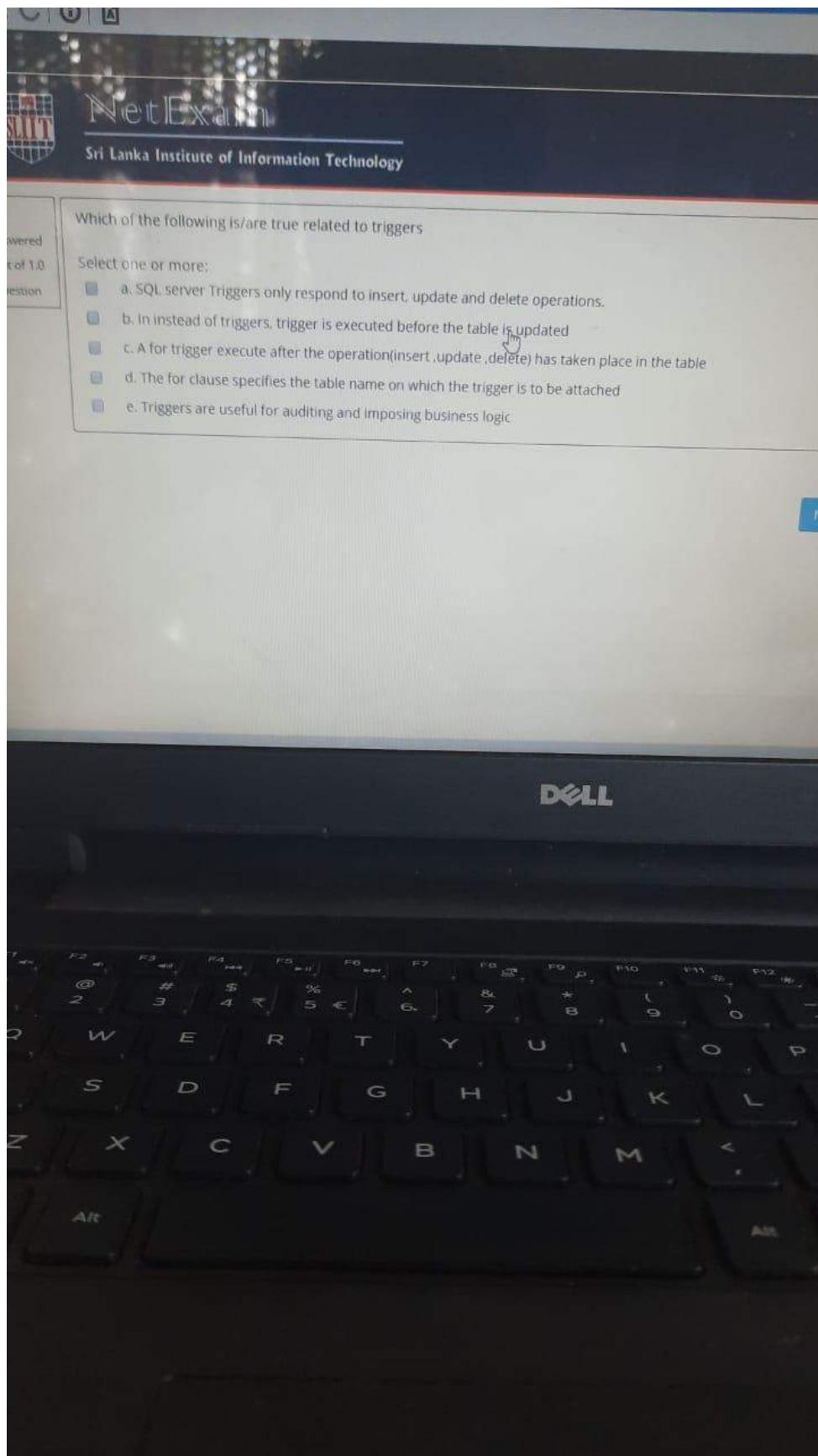
12

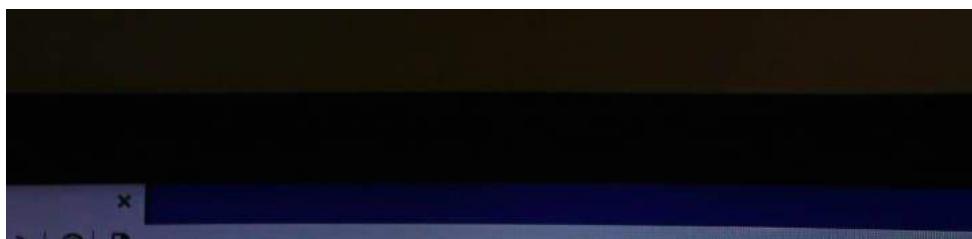
Next page

Which statement/s would be correct with regards to SQL-st

Select one or more:

- a. Procedure can have zero or more output parameters
- b. Procedures can have input/output parameters
- c. Inside procedures data retrievels (e.g. Select) and data insert) could be performed
- d. Procedure can have only input parameters
- e. None of the given answers



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Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl FOR INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE,'Insert');
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 4
- b. 5
- c. 0
- d. 3
- e. 2

Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl FOR INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE,'Insert');
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 2
- b. 4
- c. 0
- d. 3
- e. 5



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Question 2
Not answered
Marked out of 1.0
Flag question

If a view named V1 is created in such a way that it references every column in a table named EMPLOYEE except a column named SALARY, which of the following is **not** an accurate statement?

Select one or more:

- a. View V1 can be used in the same context as the EMPLOYEE table for all data retrieval operations that do not acquire SALARY information
- b. View V1 cannot be used as a data source for other views
- c. No data is copied to a separate physical location when V1 is created
- d. All data, except SALARY data that is stored in the EMPLOYEE table is copied to a separate physical location when V1 is created
- e. View V1 can be used as a data source for other views

Next page

17

25

33

Which of the following statements are **true** about views?

Select one:

- a. A view cannot have an ORDER BY clause in the SELECT statement.
- b. A view can be created as a join on two or more tables.
- c. A view cannot be created with a GROUP BY clause in the SELECT statement.
- d. A view must have aliases defined for the column names in the SELECT statement.
- e. A view is readonly

3
Answered
out of 1.0
question

Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl INSTEAD OF INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE,'Insert');
END
```

If user USER1 executes the following statements:

```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 0
- b. 4
- c. 3
- d. 2
- e. 5

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Given the following statements:

```
CREATE TABLE tbl (col1 INTEGER, col2 CHAR(5));
CREATE TABLE tblAudit (user VARCHAR(20), date DATE, action VARCHAR(20));
CREATE TRIGGER trig_tblAudit ON tbl FOR INSERT AS
BEGIN
    INSERT INTO tblAudit VALUES (CURRENT USER, CURRENT DATE,'Insert');
END
```

If user USER1 executes the following statements:

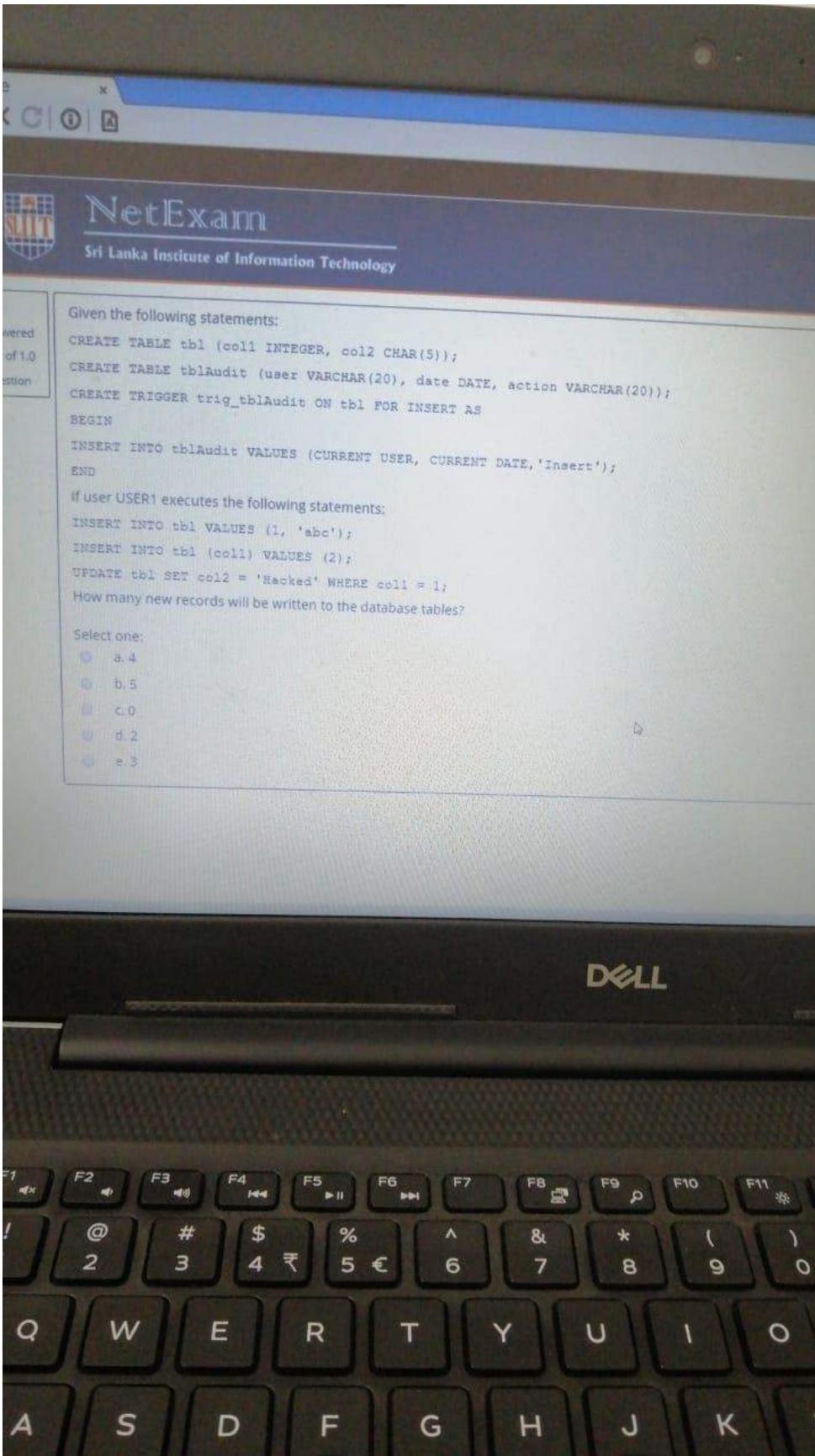
```
INSERT INTO tbl VALUES (1, 'abc');
INSERT INTO tbl (col1) VALUES (2);
UPDATE tbl SET col2 = 'Hacked' WHERE col1 = 1;
```

How many new records will be written to the database tables?

Select one:

- a. 4
- b. 5
- c. 0
- d. 2
- e. 3

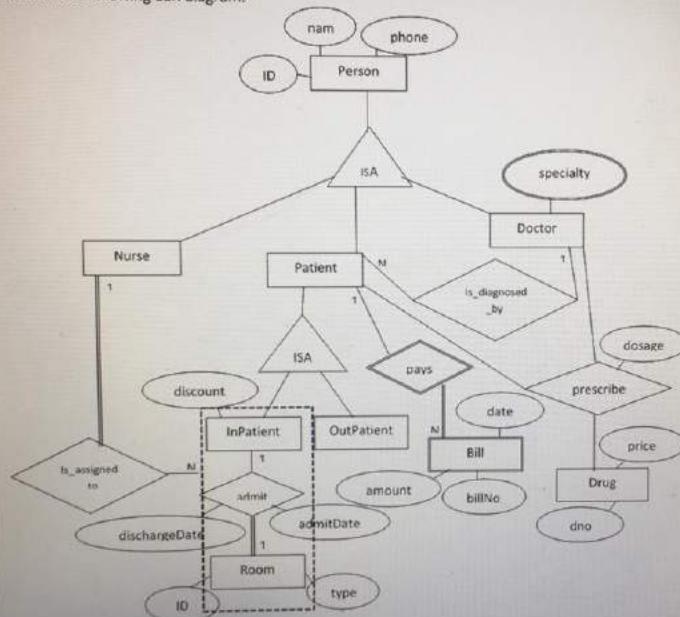
DELL



Question 1

Not yet answered
Marked out of 2.5
 Flag question

Consider the following EER diagram.



Quiz navig

1

MCQ QUESTIONS
1 2 3
9 10 11
17 18 19
25

SQL

26 27 28
30

ERROR REPORTING

30

Finish attempt...

Time left: 2:04:40

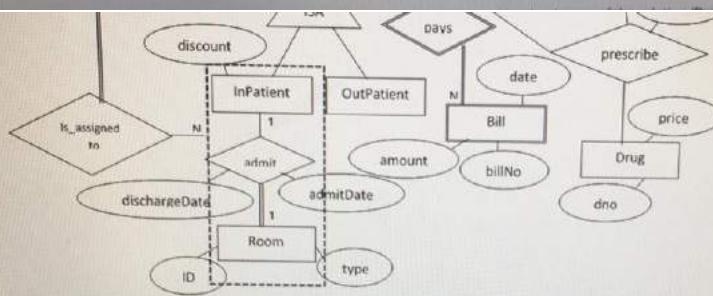
SQL
26 27
30

ERROR RE

30

Finish attem

Time left: 2:3



When the above EER model is mapped to the relational model what would be the degree of the relation 'Prescribes' resulted after the mapping?

Select one:

- a. 5
- b. 2
- c. 4
- d. 1
- e. 3

Next page



1
Answered
out of 1.0
Question

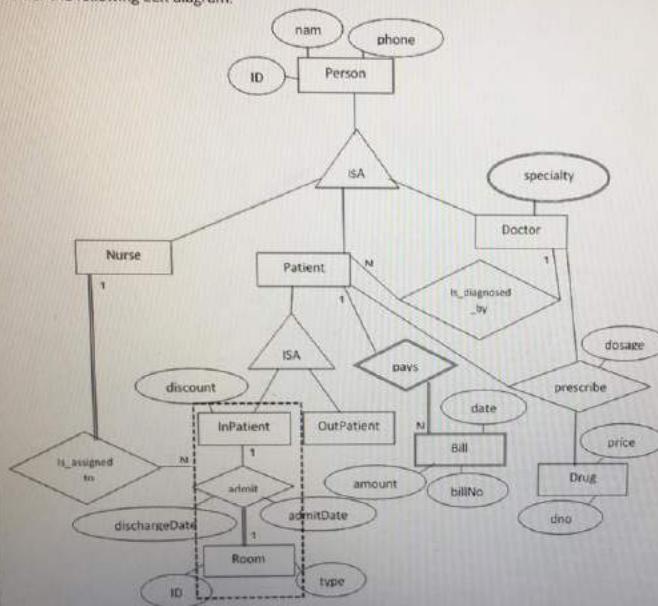
How can a DML statement (i.e. Insert, delete, update) executed in the database?

Select one:

- a. By making use of the execute() statement of the DMLStatement object
- b. By invoking Insert(), update() and delete() method on a statement object.
- c. Using InsertStatement, DeleteStatement or UpdateStatement classes
- d. By invoking the execute() or executeUpdate() method on a statement object
- e. By invoking the executeInsert(), executeDelete() or executeUpdate() methods of the DMLStatement

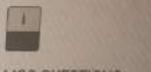
Question 2
Not yet answered
Marked out of 2.5
Flag question

Consider the following EER diagram.



When you map the above EER model in to relational model how many foreign keys will the relation 'Patient' is going to have?

≡ Quiz navigation



MCQ QUESTIONS

1	2	3	4
9	10	11	12
17	18	19	20
25			

SQL

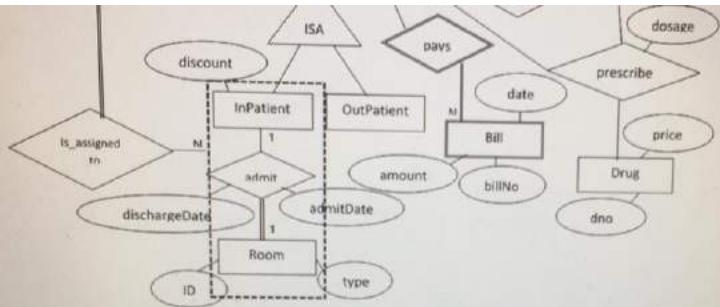
26	27	28	29
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ERROR REPORTING

30

Finish attempt ...

Time left 2:01:42



When you map the above EER model in to relational model how many foreign keys will the relation 'Patient' is going to have?

Select one:

- a. 1
- b. 3
- c. None
- d. 2
- e. 4

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Question 5

Not yet answered

Marked out of 2.5

[Flag question](#)

Consider a relation R (A, B, C, D, E, F, G) with the following set of functional dependencies over R:

$F = \{ AB \rightarrow C, A \rightarrow D, G \rightarrow A, B \rightarrow EFG \}$, What is the highest Normal form Relation R in?

Select one:

- a. Unnormalized Form
- b. BCNF
- c. 3rd Normal Form
- d. 2nd Normal Form
- e. 1st Normal Form

[Next](#)

**Question 5**

Not yet answered

Marked out of 2.5

Flag question

Consider the following scenario:

A software company has been assigned with the responsibility of automating the tasks of a private bank. This include developing a database to record customer details, and an account details. Sunil, a senior DBA is assigned to the project to handle all the administrative tasks related to the databases by the database architect. Sunil creates the required databases and assigned Malika the responsibility of managing the bankDB. Malika assigns Keshan with the responsibility of creating tables. In addition, Keshan should be able to create views, stored procedures and triggers required. Asanka and Ferosh, who are data entry operators are given the responsibility of inserting the data to the table. Nihal is assigned with the responsibility of generating reports from the table in the data. For the above purpose, Nihal could directly query the data or call functions and procedures.

Which of the following/s should you need to provide the necessary permission to add a user defined role which will provide permissions to perform activities for which Asanka and Ferosh are responsible of assuming that their usernames are asanka.n and ferosh.a respectively.

Select one or more:

- a. ALTER ROLE db_owner add member ferosh.a
- b. ALTER ROLE db_owner add member asanka.n
- c. CREATE ROLE dataEntry
- d. GRANT INSERT on bankDB to dataEntry
- e. CREATE ROLE db_owner



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ion

Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

 $F = \{ F1F2 \rightarrow F3; F1F2 \rightarrow F4, F4 \rightarrow F1, F2F3 \rightarrow F5, F2F3 \rightarrow F4 \}$. The corresponding BCNF relations are

Select one:

- a. R1 (F2, F3, F5, F4), R2(F1, F2, F3, F4)
- b. R1 (F2, F3, F4, F5), R2(F1, F2, F4)
- c. R1 (F2, F3, F5, F4), R2(F2, F1)
- d. R1 (F1, F2, F3, F5), R2 (F4, F1)
- e. R1 (F1,F2,F3, F4, F5)

Moodle

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Question 1
Not yet answered
Marked out of 2.5
Flag question

Consider the following scenario:
A software company has been assigned with the responsibility of automating the tasks of a private bank. This include developing a database to record customer details, and an account details. Sunil, a senior DBA is assigned to the project to handle all the administrative tasks related to the databases by the database architect. Sunil creates the required databases and assigned Malika the responsibility of managing the bankDB. Malika assigns Keshan with the responsibility of creating tables. In addition, Keshan should be able to create views, stored procedures and triggers required. Asanka and Ferosh, who are data entry operators are given the responsibility of inserting the data to the tables. Nihal is assigned with the responsibility of generating reports from the table in the data. For the above purpose, Nihal could directly query the data or call functions and procedures.
Which of the following/s should you need to provide the necessary permission to Asanka and Ferosh assuming that their usernames are asanka.n and Ferosh.a respectively

Select one or more:

a. ALTER ROLE db_owner add member asanka.n
 b. ALTER ROLE dataEntry ADD MEMBER Ferosh.a
 c. GRANT INSERT on bankDB to dataEntry
 d. ALTER ROLE dataEntry ADD MEMBER asanka.n
 e. ALTER ROLE db_owner add member ferosh.a

Next page

MCQ QUE
1 2
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17 18
25
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26 27
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30
Finish attempt
Time left 1:15

Online Exams

Sri Lanka Institute of Information Technology

Database level permission that gives users the right to create foreign keys is

Select one:

a. diskadmin
 b. alter
 c. reference
 d. select



Q6

answered

1 out of 2.5

question

Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

$F = \{ F1F2 \rightarrow F3, F1F2 \rightarrow F4, F4 \rightarrow F1, F2F3 \rightarrow F5, F2F3 \rightarrow F4 \}$. The corresponding 3rd Normal form relations are

Select one:

- a. R1 (F1,F2,F3, F4, F5)
- b. R1 (F1, F2, F3, F5), R2 (F4, F1)
- c. R1 (F2, F3, F5, F4), R2(F1, F2, F3, F4)
- d. R1 (F2, F3, F5, F4), R2(F2)
- e. R1 (F2; F3, F4, F5), R2(F1, F2, F4)

[Next page](#)

Which of the following/s true about schedules ?

Select one or more:

- a. Schedule can run only one time for a specific job.
- b. Only one schedule can apply to the same job.
- c. A schedule could be set to run when CPU is not busy.
- d. Schedules and jobs are handled by SQL server agent .
- e. Schedule can run at most one job.

Moodle

Online Exams

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Question 3
Not yet answered
Marked out of 1.0
Flag question

Which of the following/s correct regarding the JDBC drivers.

Select one or more:

- a. Native API driver converts JDBC method calls into the ODBC function calls.
- b. The JDBC-ODBC bridge driver converts JDBC method calls into the ODBC function calls.
- c. Type 3 driver is the highest performance driver available for the database.
- d. Native API Driver converts JDBC API calls into native C/C++ API calls.
- e. Type 3 driver, a three-tier approach is used to access databases.

Next page

Question 7
Not yet answered
Marked out of 2.5
Flag question

Consider the following EER diagram.

```

    erDiagram
        Person ||--o{ Doctor : "specialty"
        Person ||--o{ Nurse : "discount"
        Person }|--o{ Patient : "ISA"
        Doctor }|--o{ Patient : "is_diagnosed_by"
        Nurse }|--o{ Patient : "is_assigned_to"
        Patient }|--o{ InPatient : "ISA"
        Patient }|--o{ OutPatient : "ISA"
        InPatient }--o{ Room : "admit"
        InPatient }--o{ Room : "dischargeDate"
        OutPatient }--o{ Room : "admitDate"
        Bill }--o{ Drug : "prescribe"
        Bill }--o{ Drug : "dosage"
        Bill }--o{ Drug : "price"
        Bill }--o{ Drug : "amount"
        Bill }--o{ Drug : "billNo"
        Bill }--o{ Drug : "date"
    }
  
```

Quiz

MCQ QUE

1	2
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25	

SQL

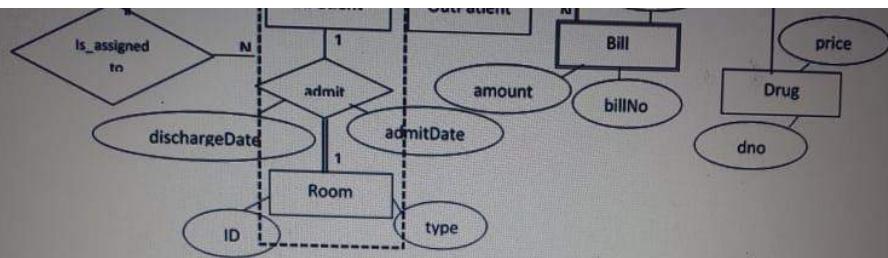
26	27
----	----

ERROR REPO

30	
----	--

Finish attempt

Time left 1:39:2



Consider InPatient and OutPatient cover the Patient. Which of the following statement(s) is/ are false after mapping the hierarchy with Entities Patient, InPatient and OutPatient?

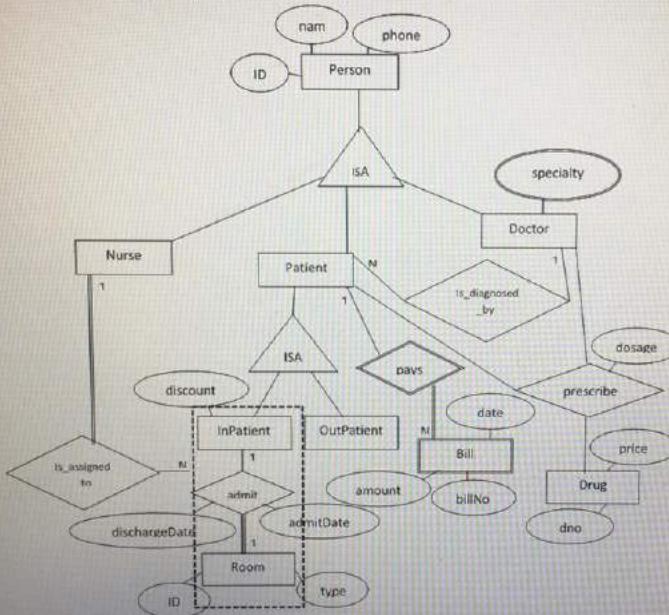
Select one or more:

- a. Option 3 and option 4 will results in null values
- b. Option one would have created relations for InPatient, OutPatient and Patient
- c. Option 4 would have created relation Person only
- d. Option 3 is more suitable
- e. Option 2 would have created relations for InPatient and OutPatient

[Next page](#)

Question 8
Not yet answered
Marked out of 2.5
[Flag question](#)

Consider the following EER diagram.



[Quiz](#)

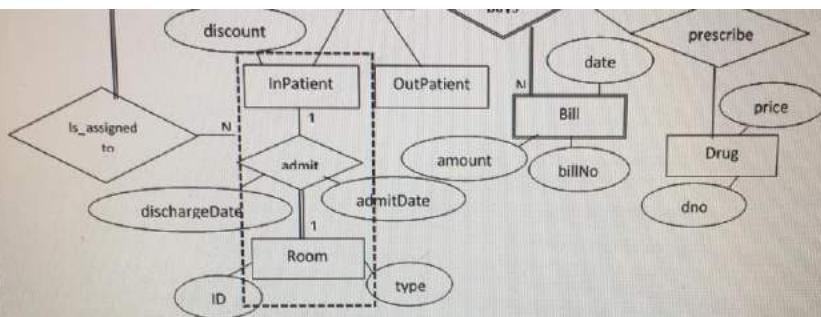
MCQ QUE
1 2
9 10
17 18
25

SQL
26 27

ERROR REPO
30

Finish attempt

Time left 1:37

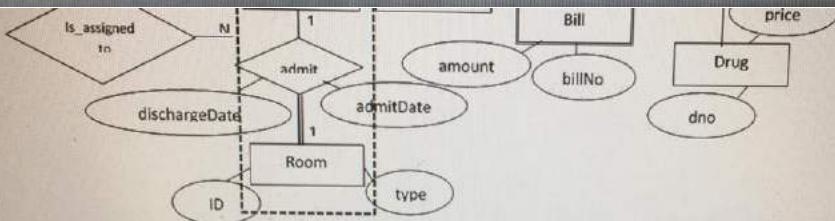


When the EER model above is mapped to the relational model what would be the primary key of relation 'Room'?

Select one:

- a. dno
- b. billNo
- c. personID
- d. ID
- e. patientID

[Next page](#)



When you map the above EER model in to relational model how many foreign keys will the relation 'Room' is going to have?

Select one:

- a. 3
- b. 2
- c. None
- d. 4
- e. 1

[Next page](#)

Which of the following executes the any kind of SQL statement?

1. boolean execute
2. ResultSet executeQuery
3. int executeUpdate

Select one:

- a. Only 2
- b. Only 1
- c. Both 1 and 2
- d. None of the above
- e. Only 3



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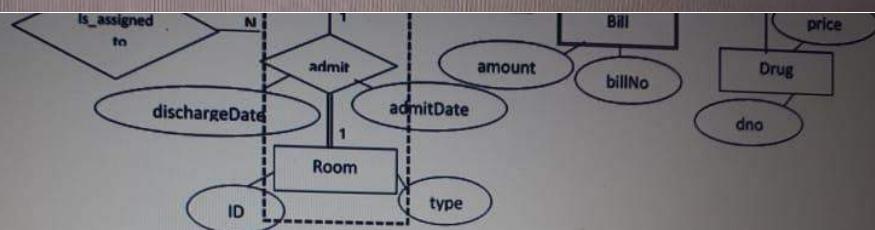
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Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

$F = \{ F_2 F_3 \rightarrow F_1 F_4 F_5, F_4 \rightarrow F_2 \}$, The corresponding 3rd Normal form relations are

Select one:

- a. R1 (F2, F4), R2 (F1, F3, F4, F5)
- b. R1 (F2, F4), R2 (F1, F3, F5)
- c. R1 (F1, F2, F3, F4, F5)
- d. R1 (F2, F4), R2 (F1, F3, F4, F5), R3 (F2, F3)
- e. R1 (F1, F2, F3, F4), R2 (F4, F2)



How many tables refer the doctorID primary key in the Doctor relation

Select one:

- a. 5
- b. 4
- c. 2
- d. 3
- e. 1

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Question 12

Not yet answered

Marked out of 1.0

Flag question

What is the primary permission that gives a user full permission to all databases and primary permission that gives a user full permissions to only a single database respectively are :

Select one:

- a. dbcreator, db_ddladmin
- b. sysadmin, dbcreator
- c. sysadmin, db_owner
- d. dbcreator, db_owner

[Next page](#)



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Question 11

Not yet answered

Marked out of 1.0

Flag question

Which of the following is true :

Select one or more:

- a. To execute a stored procedure the users need the ALTER permission
- b. CREATE LOGIN 'DELL\ponyvet7@gmail.com' is an example for creating a server login
- c. To enable a user to create table and Insert data he could be added to the db_ddladmin role
- d. REVOKE removes any GRANT but does not remove DENY permission on a securable.



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Question 10

Not yet answered

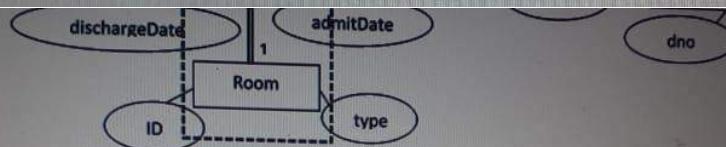
Marked out of 1.0

Flag question

Which of the following is advantage of using JDBC connection pool?

Select one or more:

- a. Slow performance X
- b. Use less memory X
- c. Use more memory X
- d. Promotes connection object reuse
- e. Better performance



When the above EER model is mapped to the relational model what would be the resulted relations after mapping the hierarchy with Entities Patient, InPatient and OutPatient? (Do not consider binary relationships attached to the entities in hierarchy)

Select one:

- a. Patient (patientID, discount, InPatient, OutPatient)
- b. Patient (patientID, discount, type)
- c. Patient (patientID)
InPatient (ID, discount)
OutPatient (ID)
- d. InPatient (ID, discount)
OutPatient (ID)
- e. Patient (patientID)
InPatient (ID, discount)
OutPatient (ID)



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Question 13

Not yet answered

Marked out of 2.5

Flag question

Consider a relation R (A, B, C, D, E), with the following set of functional dependencies over R:

$F = \{ A \rightarrow BC, BC \rightarrow E, E \rightarrow AD \}$. Find all candidate keys that follow from the given FDs.

Select one:

- a. {A, BC}
- b. {A, BC, E}
- c. {BC, E}
- d. {A}
- e. {BC}

Marked out of 2.5

Flag question

Quiz Navigation

1

MCQ QUESTIONS

1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	

SQL

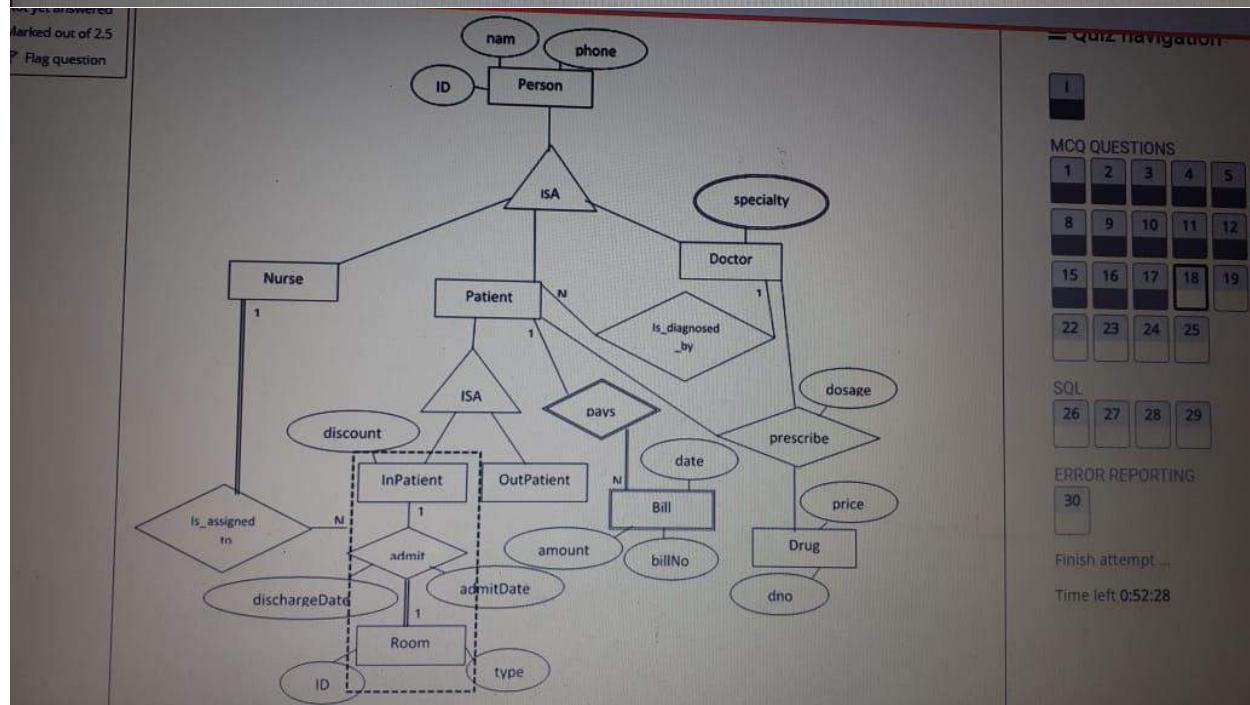
26	27	28	29
----	----	----	----

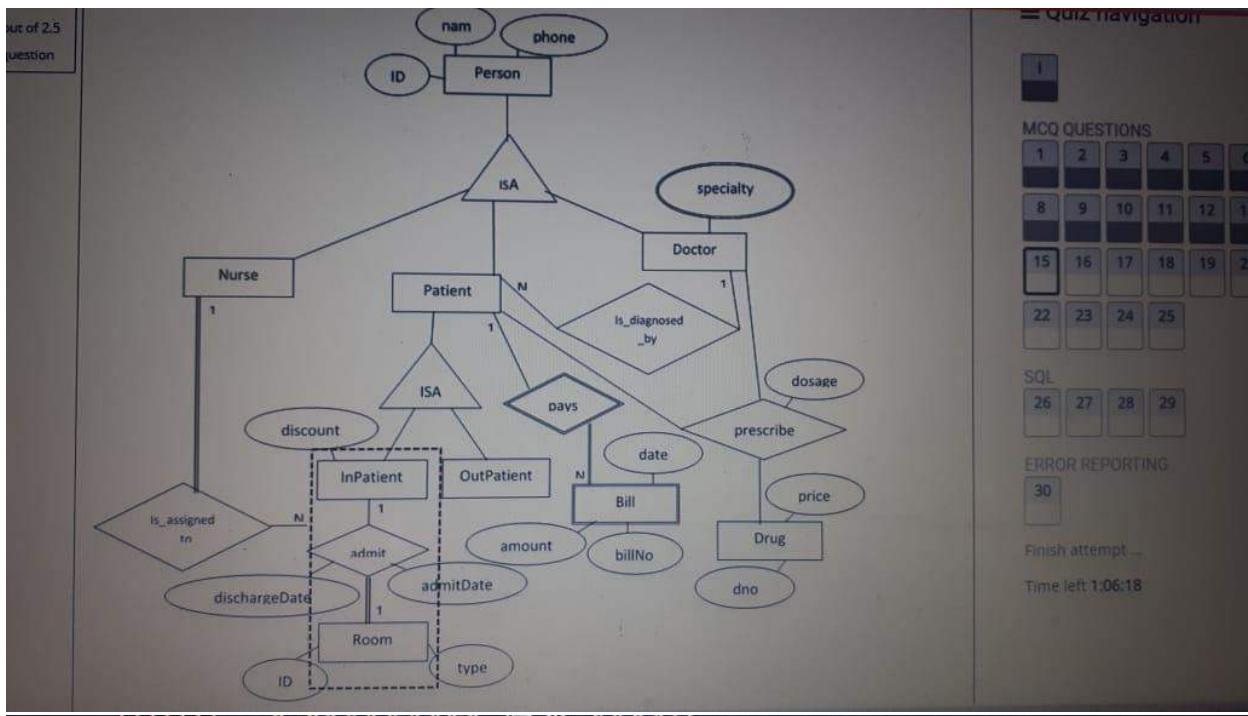
ERROR REPORTING

30

Finish attempt ...

Time left 0:52:28





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Question 16

Not yet answered

Marked out of 2.5

Flag question

Suppose you are given a relation R = (F1, F2, F3, F4) with the following functional dependencies:

F = { F3F4 → F2, F2 → F1, F1 → F3 }, The corresponding BCNF relations are.

Select one:

- a. R1 (F4, F2), R2 (F2, F1)
- b. R(F1, F2, F3, F4)
- c. R1 (F4, F2), R2 (F2, F1), R3 (F1, F3)
- d. R1 (F1, F2), R2 (F2, F3, F4)
- e. R1 (F1, F2), R2 (F2, F3, F4)



0
Answered
out of 2.5
questions

Consider the following scenario:

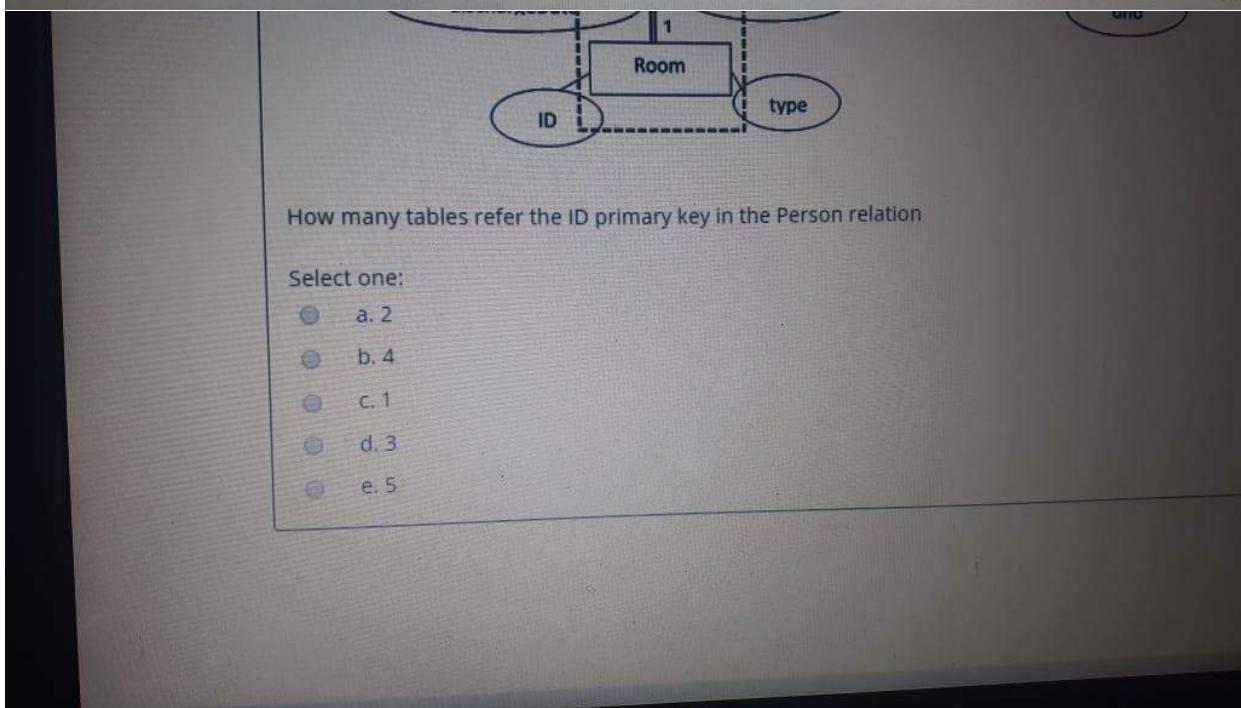
A software company has been assigned with the responsibility of automating the tasks of a private bank. This include developing a database to record customer details, and an account details. Sunil, a senior DBA is assigned to the project to handle all the administrative tasks related to the databases by the database architect. Sunil creates the required databases and assigned Malika the responsibility of managing the bankDB. Malika assigns Keshan with the responsibility of creating tables. In addition, Keshan should be able to create views, stored procedures and triggers required. Asanka and Ferosh, who are data entry operators are given the responsibility of inserting the data to the table. Nihal is assigned with the responsibility of generating reports from the table in the data. For the above purpose, Nihal could directly query the data or call functions and procedures.

Assuming that Nihal left the company and thus he should be prevented from inserting data to the system. Which of the following command/s can facilitate the above assuming that Nihal has a login name nihal.d

Select one or more:

- a. DENY insert to nihal.d
- b. DENY permission to nihal.d
- c. REVOKE grant to nihal.d
- d. REVOKE select to nihal.d
- e. ALTER permission to nihal.d

[Next page](#)



Question 15

Not yet answered
Marked out of 2.5
 Flag question

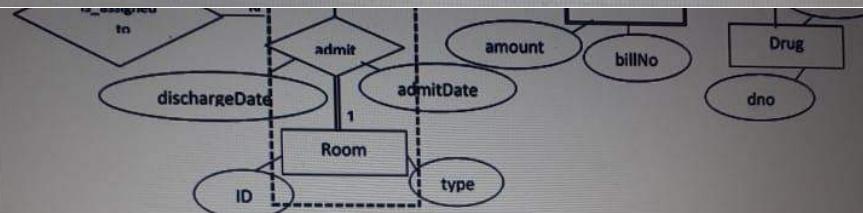
Consider the following scenario:

A software company has been assigned with the responsibility of automating the tasks of a private bank. This include developing a database to record customer details, and an account details. Sunil, a senior DBA is assigned to the project to handle all the administrative tasks related to the databases by the database architect. Sunil creates the required databases and assigned Malika the responsibility of managing the bankDB. Malika assigns Keshan with the responsibility of creating tables. In addition, Keshan should be able to create views, stored procedures and triggers required. Asanka and Ferosh, who are data entry operators are given the responsibility of inserting the data to the table. Nihal is assigned with the responsibility of generating reports from the table in the data. For the above purpose, Nihal could directly query the data or call functions and procedures.

Assuming that Sunil has a server login named sunil.a Which of the following T-SQL statement/s to create login of Sunil and provide him permission to handle all the administrative tasks in the server.

Select one or more:

- a. CREATE LOGIN sunil.a
WITH PASSWORD='sunil@#123'
MUST_CHANGE, CHECK_EXPIRATION = ON, CHECK_POLICY = ON,
DEFAULT_DATABASE=system
- b. CREATE LOGIN sunil
FROM WINDOWS
- c. CREATE LOGIN Sunil
WITH PASSWORD = 'Sunil@@@'
MUST_CHANGE, CHECK_EXPIRATION = ON, CHECK_POLICY = ON
- d. CREATE LOGIN staff\$sunil.a
FROM WINDOWS WITH DEFAULT_DATABASE = Master
- e. CREATE LOGIN sunil.a
WITH PASSWORD = 'Sunil@@@'
MUST_CHANGE, CHECK_EXPIRATION = ON, CHECK_POLICY = ON,
DEFAULT_DATABASE



When you map the above EER model in to relational model how many foreign keys will the relation 'Room' is going to have?

Select one:

- a. 4
- b. 3
- c. 1
- d. None
- e. 2

26
Answered
out of
question

Consider the following relations of a database created for a **Car Rental** company.

Driver (driverID: char(4), driver_name: varchar(15), address: varchar(50), phone: char(10), licenceNo: char(5))
Car (carID: char(4), make: varchar(15), model: varchar(15), body_type: varchar(15), no_seats: int, year: datetime)
Route (route_id: char(4), source: varchar(20), destination: varchar(20), route_type: varchar(15), fare: real)
Customer (customerID: char(4), customer_name: varchar(20), phone: char(10), address: varchar(50))
Booking (booking_id: char(4), dateBooked: datetime, dateReturned: datetime, customerId: char(4), route_id: char(4), car_id: char(4), driverID: char(4))

The database stores information on Drivers registered by the car rental company in the **Driver** table. The table stores a unique driver ID (driverID), name, address, phone number and the driving license number. Information about the Cars is recorded in the **Car** table. The table includes a unique number (carID), make ('Toyota', 'Honda', 'Audi', etc.), model ('Aqua', 'Civic' etc.), body type ('Wagon', 'Hatchback' etc.), number of seats, and the year manufactured. **Route** table stores all the operations on car routes including a unique number (route_id), route source, route destination, route type ('one way' or 'both ways') and the fare amount. Information about the Customers is also documented in the **Customer** table. The table consists of a unique number (customerID), customer name, phone number and address. When a Customer wants to rent a car the company stores the records in a **Booking** table along with the unique number (booking_id), date of which the booking happened, the return date of the car, the customer who elaborate in renting the car (customerId), the route in which the car is traveling (route_id), the car ID (car_id) and the driver who is dedicated for driving the car (driverID).

Create a trigger to update the noOfRoutes of a driver when adding a new record to the Booking table. Assume that there exists a stored procedure to update the total number of routes (noOfRoutes) of a driver based on the route entries recorded in the Booking table. The Driver table is modified by adding a new attribute (noOfRoutes: int).

Quiz navigation

1

MCQ QUESTIONS

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8	9	10	11	12
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22	23	24	25	

SQL

26	27	28	29
30			

ERROR REPORTING

30

Finish attempt...

Time left 0:29:47

stores information on Drivers (driverID), name, address, phone number and license number. Includes a unique number (carID), make (To make), model (model), year (year), number of seats, and the year manufactured. Route table stores information on routes (routeID), route destination, route type ('one way' or 'both ways'), and the year manufactured. Customer table. The table stores the records in a many-to-many relationship between the Customer and Route tables. To rent a car the company stores the records in a booking table (bookingID). The table stores the date when the booking was made, the date when the booking happened, the return date of the car, the customer who made the booking (customerID), the car ID (car_id) and the driver who is assigned to drive the car (driverID). Find the list of customers who obtained routes by renting a car.

```
A▼ B I E EOP D F S
select * from Customer c
customer name
address
total address
select * from Booking b
where
c.customerID = b.booking_id
select *from Route r
where
and r.Route id = b.route_id
```



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Question 15

Not yet answered
Marked out of 1.0

Flag question

Fixed database role that authorizes a user to access the database, but not to manage database level security is :

Select one:

- a. securityadmin
- b. processadmin
- c. serveradmin
- d. db_accessadmin

**Question 27**

Not yet answered
Marked out of
14.0

Flag question

Consider the following relations of a database created for a Car Rental company.

Driver (driverID: char(4), driver_name: varchar(15), address: varchar(50), phone: char(10), licenceNo: char(5))

Car (carID: char(4), make: varchar(15), model: varchar(15), body_type: varchar(15), no_seats: int, year: datetime)

Route (route_id: char(4), source: varchar(20), destination: varchar(20), route_type: varchar(15), fare: real)

Customer (customerID: char(4), customer_name: varchar(20), phone: char(10), address: varchar(50))

Booking (booking_id: char(4), dateBooked: datetime, dateReturned: datetime, customerID: char(4), route_id: char(4), car_id: char(4), driverID: char(4))

The database stores information on Drivers registered by the car rental company in the Driver table. The table stores a unique driver ID (driverID), name, address, phone number and the driving license number. Information about the Cars is recorded in the Car table. The table includes a unique number (carID), make ('Toyota', 'Honda', 'Audi', etc.), model ('Aqua', 'Civic' etc.), body type ('Wagon', 'Hatchback' etc.), number of seats, and the year manufactured. Route table stores all the operations on car routes including a unique number (route_id), route source, route destination, route type ('one way' or 'both ways') and the fare amount. Information about the Customers is also documented in the Customer table. The table consists of a unique number (customerID), customer name, phone number and address. When a Customer wants to rent a car the company stores the records in a Booking table along with the unique number (booking_id), date of which the booking happened, the return date of the car, the customer who elaborate in renting the car (customerID), the route in which the car is traveling (route_id), the car ID (car_id) and the driver who is dedicated for driving the car (driverID).

Assume that the company requests to record the number of routes each driver travels. The Driver table is modified by adding a new attribute (noOfRoutes: int), write a query to add the new attribute to the Driver table assuming that the table is already created. Then create a stored procedure to update the total number of routes (noOfRoutes) of a driver based on the route entries recorded in the Booking table. You need to display the driver name who met with the total number of routes.

Given the following class definitions

```
1 public class Parent {  
2     protected void sayHi() {  
3         System.out.print("Hi");  
4     }  
5 }  
6  
7 class Child extends Parent {  
8     public void sayHi() {  
9         System.out.print("Hello");  
10    }  
11 }
```

```
Parent p = new Child();
```

```
p.sayHi();
```

Select one or more:

- Compiler error on line 8
- Compiler error on line 15
- Line 16 causes an exception to be thrown.
- Hi
- Hello

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Question 2
Not yet answered
Marked out of 2.5
[Flag question](#)

Consider a relation R (A, B, C,D), with the following set of functional dependencies over R.
 $F = \{ BD \rightarrow C, C \rightarrow A, A \rightarrow B \}$

Find all candidate keys that follow from the given FDs.

Select one or more:

a. AC
 b. AD
 c. CD
 d. BD

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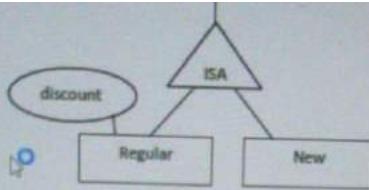
Question 4
Not yet answered
Marked out of 2.5
[Flag question](#)

Consider a relation R (A, B, C, D, E, F, G, H) with the following set of functional dependencies over R:
 $F = \{ A \rightarrow BD, B \rightarrow C, E \rightarrow FG, AE \rightarrow H, H \rightarrow E \}$

The corresponding BCNF relations are

Select one:

a. R1 (A, B, D), R2 (E, F, G), R3 (A, E, C, H)
 b. R(A, B, C, D,E, F, G, H)
 c. R1 (A, B, D), R2 (B, C), R3 (E, F, G), R4 (A, E, H)
 d. R1 (A, B, D), R2 (B, C), R3 (E, F, G), R4 (H, E), R5 (A, H)



When you map the above EER model in to relational model how many foreign keys will the relation seat is going to have?

Select one or more:

- a. 3
- b. No foreign key
- c. 2
- d. 1
- e. 4

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Which of the following describes the correct sequence of the steps involved in providing permissions to only Insert data

1. create a database level role
2. create a database user
3. add the user to the role
4. provide permission to the role

Select one or more:

- a. 2,1,4,3
- b. 1,3,4,2
- c. 1,4,2,3
- d. 1,3,2,4



Question 4

Not yet answered

Marked out of 2.5

[Flag question](#)

Consider a relation R (A, B, C, D, E, F, G, H) with the following set of functional dependencies over R:

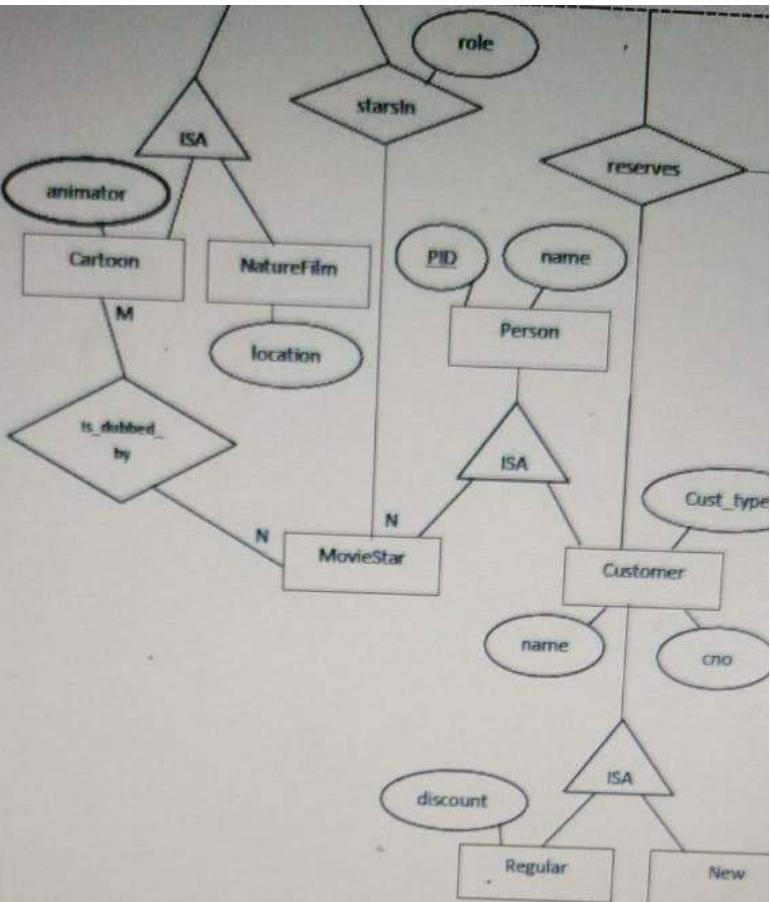
$$F = \{ A \rightarrow BD, B \rightarrow C, E \rightarrow FG, AE \rightarrow H, H \rightarrow E \}$$

The corresponding BCNF relations are

Select one:

- a. R1 (A, B, D), R2 (E, F, G), R3 (A, E, C, H)
- b. R(A, B, C, D, E, F, G, H)
- c. R1 (A, B, D), R2 (B, C), R3 (E, F, G), R4 (A, E, H)
- d. R1 (A, B, D), R2 (B, C), R3 (E, F, G), R4 (H, E), R5 (A, H)





What is the best option to map the hierarchy consisting Movie, Cartoon and

Select one:

- a. Option 2
- b. Option 3
- c. Option 1
- d. Option 4
- e. Option 1 and 4

```

Actor (actorID: char(4), actorName: varchar(30), gender : char(1), age: int)
ActorAward (actorID: char(4), movieID: int, awardName: varchar(25), status: char(15))
Appearsin (movieID: int, actorID: char(4), characterName: varchar(20), role: varchar(15))
Producer (producerID: char(4), producerName: varchar(30), companyName: varchar (20), country: varchar (20))
Movie (movieID: int, title: varchar(50), language: varchar(10), duration: time, rating: int, ryear: date,
type: varchar(20), proid: char(4))
Rent (mid: int, cID: char(4), date_rented: datetime, due_rented: datetime, date_returned: datetime)

```

The database stores information on customers registered by the video rental company in the **Customer** table. The table stores a unique customer ID (customerID) the phone number. **Actor table** stores an ID (actorID), name (actorName), gender and age of Actors and Actresses. **ActorAward** table stores information on the awards won related the movies they have acted on. The table stored the ID of the actor, ID of the movie, the award the actor is recommended for (awardName) and the status (Nominee', 'Won'). **Appearsin** table keep track of the movies the actors have appeared in. The table stores the movie id, actor id, the name of the actor in the movie (characterName) and the role the actor has played ('lead' or 'support'). Information about the Producers is recorded in the **Producer** table. The unique number (producerID), company name and the country of the producing company. When a Producer creates a movie, the company stores the records in a table with the unique number (movieID), title of the movie (title), language ('English', 'Tamil', etc.), duration of the movie, rating, released year, type ('Action', 'Thriller', etc.) and who elaborate in making the movie (prodid). To keep track of all the movies rented by customers a **Rent** table is listed with movie ID, customer ID, date rented , the date the video is actually returned.

Find the titles and the producers of movies in English for which actors have won more than 5 awards.



```

select m.title,p.producerName
from ActorAward a, Movie m, Producer p
where a.movieID=m.movieID and m.prodid=p.producerID and m.language='English' and a.status='Won'
group by a.movieID
having count(a.actorID)>5

```

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Which of the following describes the correct sequence of the steps involved in providing permissions to **only Insert** data

1. create a database level role
2. create a database user
3. add the user to the role
4. provide permission to the role

Select one or more:

- a. 2,1,4,3
- b. 1,3,4,2
- c. 1,4,2,3
- d. 1,3,2,4



Question 27

Not yet answered
Marked out of
10.0
 Flag question

Consider the following relations of a database created for a **video rental** company.

Customer (customerID: char(4), fName: varchar(20), lName: varchar(20), address: varchar(50), phone: char(10))

Actor (actorID: char(4), actorName: varchar(30), gender: char(1), age: int)

ActorAward (actorID: char(4), movieID: int, awardName: varchar(25), status: char(15))

AppearsIn (movieID: int, actorID: char(4), characterName: varchar(20), role: varchar(15))

Producer (producerID: char(4), producerName: varchar(30), companyName: varchar(20), country: varchar(20))

Movie (movieID: int, title: varchar(50), language: varchar(10), duration: time, rating: int, ryear: date, type: varchar(20), prodID: char(4))

Rent (mid: int, CID: char(4), date_rented: datetime, due_returned: datetime, date_returned: datetime)

The database stores information on customers registered by the video rental company in the **Customer** table. The table stores a unique customer ID (customerID), name, address and the phone number. **Actor** table stores an ID (actorID), name (actorName), gender and age of Actors and Actresses. **ActorAward** table stores information on the awards the actors have won related the movies they have acted on. The table stored the ID of the actor, ID of the movie, the award the actor is recommended for (awardName) and the status of the recommendation (Nominee/Won). **AppearsIn** table keep track of the movies the actors have appeared in. The table stores the movie id, actor id, the name of the character of the actor in the movie (characterName) and the role the actor has played ('lead' or 'support'). Information about the Producers is recorded in the **Producer** table. The table includes a unique number (producerID), company name and the country of the producing company. When a Producer creates a movie, the company stores the records in a **Movie** table along with the unique number (movieID), title of the movie (title), language (English, Tamil, etc.), duration of the movie, rating, released year, type (Action, Thriller, etc.) and the producer who elaborate in making the movie (prodID). To keep track of all the movies rented by customers a **Rent** table is listed with movie ID, (customer ID, date rented, the due date and the date the video is actually returned.

Find the title and the duration of the highest rated movie which is produced by the company 'Century Fox'

```
select m.title, m.duration, max(m.rating) as Rating
from Producer p, Movie m
where p.producerName=m.prodID and p.companyName='Century Fox'
group by p.companyName
```



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2.5
on

Consider a relation R (A, B, C,D), with the following set of functions:
 $F = \{ BC \rightarrow D, D \rightarrow A, A \rightarrow C \}$

What is the highest Normal form Relation R in?

Select one:

- a. BCNF
- b. First Normal Form
- c. Third Normal Form
- d. Second Normal Form

The database stores information on customers registered by the video rental company in the **Customer** table. The table stores a unique customer ID (customerID), name (customerName), address (customerAddress), city (customerCity), state (customerState), zip (customerZip), phone number (customerPhone). **Actor** table stores an ID (actorID), name (actorName), gender and age of Actors and Actresses. **ActorAward** table stores information on the awards won related to the movies they have acted on. The table stores the ID of the actor, ID of the movie, the award the actor is recommended for (awardName) and the recommendation ('Nominee', 'Won'). **AppearsIn** table keeps track of the movies the actors have appeared in. The table stores the movie ID, actor ID, the name of the character in the movie (characterName) and the role the actor has played ('lead' or 'support'). Information about the Producers is recorded in the **Producer** table with the unique number (producerID), company name and the country of the producing company. When a Producer creates a movie, the company stores the records with the unique number (movieID), title of the movie (title), language ('English', 'Tamil', etc.), duration of the movie, rating, released year, type ('Action', 'Drama', etc.) who elaborate in making the movie (prodID). To keep track of all the movies rented by customers a **Rent** table is listed with movie ID, customer ID, date rented and date the video is actually returned.

Find the number of actors who have played the character of 'Bruce Wayne' in movies produced by American Producers.

```
select count(a.actorID)
from AppearsIn a, Movie m
group by a.characterName
where a.characterName = 'Bruce Wayne' and m.movieID IN ( select m.movieID
    from Movie m, Producer p
    where p.country = 'America')
```



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Which of the following methods could be used to take a backup in SQL server?

Select one or more:

- a. By using import/export wizard
- b. By creating a job
- c. By creating a maintenance plan
- d. By right clicking the database and selecting a sub menu under the task menu

Which of the following method(s) could be used to establish the connection to the database ?

Select one or more:

- a. public static Connection getConnection(String url)
- b. public static Connection getCornection(String url, String userName, String password)
- c. public static void deregisterDriver(Driver driver)
- d. public static void registerDriver(Driver driver)

actor in the movie (characterName) and the role the actor has played ('lead' or 'support'). Information about the Producers is recorded in unique number (producerID), company name and the country of the producing company. When a Producer creates a movie, the company with the unique number (movieID), title of the movie (title), language ('English', Tamil, etc.), duration of the movie, rating, released year, ty who elaborate in making the movie (prodId). To keep track of all the movies rented by customers a Rent table is listed with movie ID. cust date the video is actually returned.

Find the producer and the company name of producers from France whose movies are rated more than any movie produced by produc

```
select p.producerName, p.companyName
from Producer p, Movie m
where p.country = 'France' And m.rating > ALL(select m.rating
      from Movie m, Producer p
      Where p.country = 'Australia')
```

Consider the following relations of a database created for a **video rental** company.

Customer (*customerID*: char(4), *fName*: varchar(20), *lName*: varchar(20), *address*: varchar(50),
phone: char(10))

Actor (*actorID*: char(4), *actorName*: varchar(30), *gender* : char(1), *age*: int)

ActorAward (*actorID*: char(4), *movieID*: int, *awardName*: varchar(25), *status*: char(15))

AppearsIn (*movieID* :int, *actorID*: char(4), *characterName*: varchar(20), *role*: varchar(15))

Producer (*producerID*: char(4), *companyName*: varchar (20), *country*: varchar (20))

Movie (*movieID*: int, *title*: varchar(50), *language*: varchar(10), *duration*: time, *rating*: int, *ryear*: date,
type: varchar(20), *prodID*: char(4))

Rent (*mid*: int, *cID*: char(4), *date_rented*: datetime, *due_rented*: datetime, *date_returned*: datetime)

The database stores information on customers registered by the video rental company in the **Customer** table. The table stores a unique customer ID (customerID), name, address and the phone number. **Actor table** stores an ID (actorID), name (actorName), gender and age of Actors and Actresses. **ActorAward** table stores information on the awards the actors have won related the movies they have acted on. The table stored the ID of the actor, ID of the movie, the award the actor is recommended for (awardName) and the status of the recommendation ('Nominee', 'Won'). **AppearsIn** table keep track of the movies the actors have appeared in. The table stores the movie id, actor id, the name of the character of the actor in the movie (characterName) and the role the actor has played ('lead' or 'support'). Information about the Producers is recorded in the **Producer** table. The table includes a unique number (producerID), company name and the country of the producing company. When a Producer creates a movie, the company stores the records in a **Movie** table along with the unique number (movieID), title of the movie (title), language (English', 'Tamil, etc.), duration of the movie, rating, released year, type ('Action', 'Thriller', etc.) and the producer who elaborate in making the movie (prodID). To keep track of all the movies rented by customers a **Rent** table is listed with movie ID, customer ID, date rented , the due date and the date the video is actually returned.

Create a function which returns the number of awards the actors who have acted on the movie has won given only a part of movie title.



Online Exams

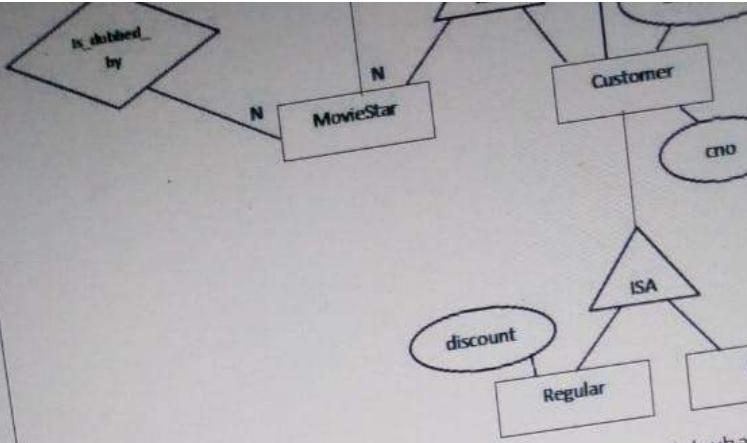
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Which of the following is correct about statements

Select one or more:

- a. The CallableStatement interface can accept runtime input parameters.
- b. Statement objects are useful when you are using static SQL statements at runtime
- c. Callable statements are used when you want to access the database stored procedures.
- d. The PreparedStatement interface accepts input parameters at runtime.

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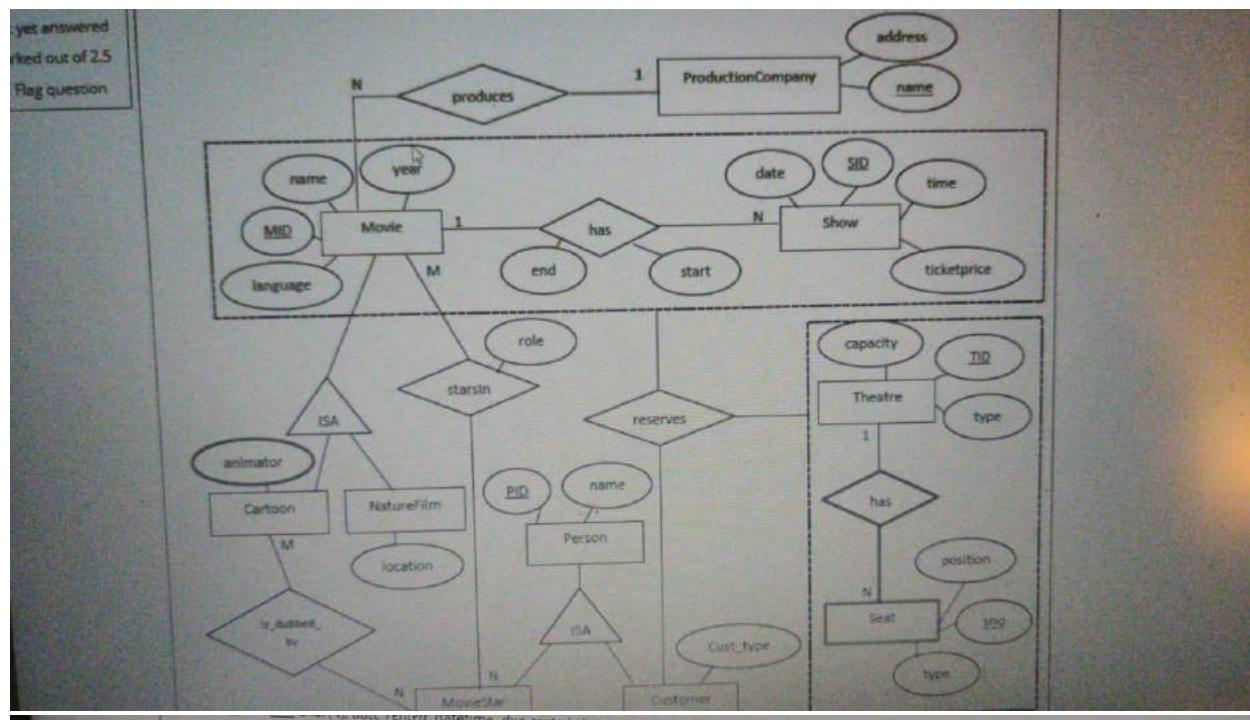


When the above EER model is mapped to the relational model what would be the correct mapping?

Select one:

- a. Customer (cno, name, customer_type)
Regular (cno, discount)
New (cno)
- b. Customer (cno, name, customer_type, discount, Regular, New)
- c. Customer (PID, cno, name, cust_type, type, discount)
- d. Regular (PID, name, customer_type, discount)
New (PID, name, customer_type)
- e. Customer (cno, name, cust_type, type, discount)

yet answered
Marked out of 2.5
Flag question



The database stores information on customers registered by the video rental company in the **Customer** table. The table stores a unique customer ID (customerID), name, address, and phone number. The **Actor** table stores an ID (actorID), name (actorName), gender and age of Actors and Actresses. The **ActorAward** table stores information on the awards the actor has won related to the movies they have acted on. The table stores the ID of the actor, ID of the movie, the award the actor is recommended for (awardName) and the status of the recommendation ('Nominee', 'Won'). The **AppearsIn** table keeps track of the movies the actors have appeared in. The table stores the movie ID, actor ID, the name of the character (characterName) and the role the actor has played ('lead' or 'support'). Information about the Producers is recorded in the **Producer** table. The table includes the unique number (producerID), company name and the country of the producing company. When a Producer creates a movie, the company stores the records in a **Movie** table with the unique number (movieID), title of the movie (title), language (English, Tamil, etc.), duration of the movie, rating, released year, type (Action, Thriller, etc.) and the producer who elaborated in making the movie (prodID). To keep track of all the movies rented by customers a **Rent** table is listed with movie ID, customer ID, date rented, the due date and date the video is actually returned.

Create a procedure which outputs the movie Name and rating of the highest rated movie.

```
create procedure getMovieDetails
@movie varchar(50) output, @rating int output
as
begin
select @movie=title, @rating=max(rating)
from Movie
end
```



Online Exams

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g question

Which kind of driver converts JDBC calls into calls on the

Select one:

- a. Native-API Java driver
- b. JDBC-ODBC Bridge Driver
- c. Network Pure Java Driver
- d. Thin driver (Pure Java driver)



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Question 1

Not yet answered

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Flag question

Backing up your SQL Server database is essential for

Select one:

- a. failing data
- b. protecting data.
- c. managing data
- d. replication of data
- e. preventing data.

Grade

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Question 1

Not yet answered

Marked out of 2.5

Flag question

Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

$F = \{ F2F3 \rightarrow F1F4F5, F4 \rightarrow F2 \}$, Find all candidate keys that follow from the given FDs.

Select one:

- a. { F2F3, F4 }
- b. { F4 }
- c. { F2F3, F4F3 }
- d. { F4F3 }
- e. { F2F3 }

Question 1
Not yet answered
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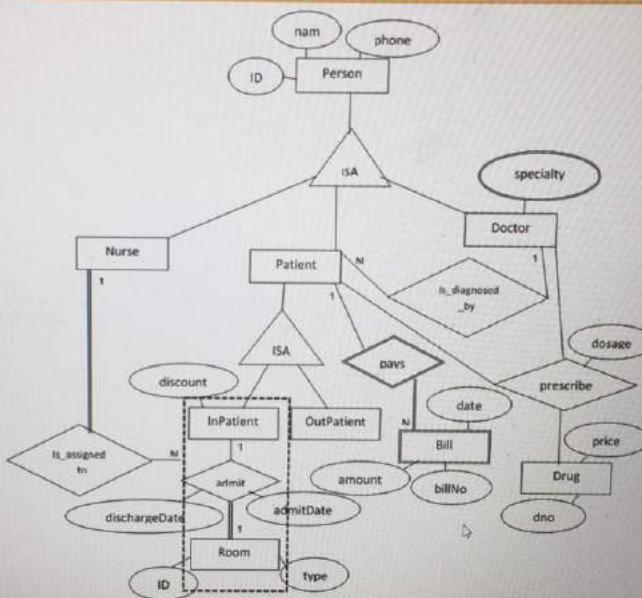
ERROR REPORTIN

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Finish attempt ...

Time left 2:02:21

Consider the following EER diagram.



When the above EER model is mapped to the relational model what would be the degree of the relation 'Room' resulted after the mapping?

Select one:

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Which of the following/s correct regarding the JDBC driver.

Select one or more:

- a. JDBC-ODBC Bridge plus ODBC driver, is also called Type 3 JDBC driver.
- b. There are 4 types of JDBC drivers.
- c. Type 2 driver or Native-API, partly Java driver, is the fastest driver.
- d. It contains classes and interfaces that help Java application and database.
- e. Type 2 of JDBC driver is typically used for development and testing purposes .



Question 2

Not yet answered

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 Flag question

Suppose you are given a relation R = (A, B, C, D) with the following functional dependencies:

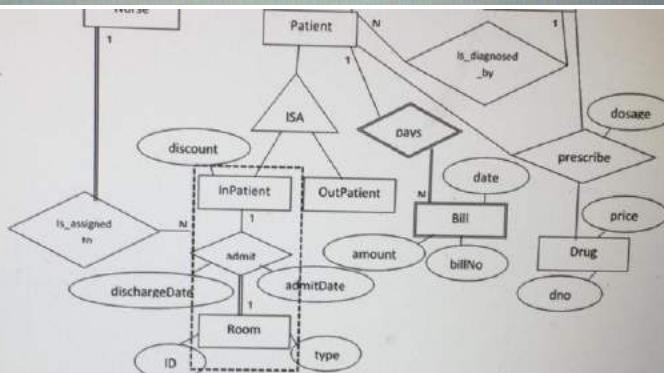
F = {C → BD, D → A, A → C}. What is the highest Normal form Relation R in?

Select one:

- a. Unnormalized Form
- b. 1st Normal Form
- c. 3rd Normal Form
- d. BCNF
- e. 2nd Normal Form

Next

Consider the following EER diagram.



When the above EER model is mapped to the relational model what would be the degree of the relation 'Room' resulted after the mapping?

Select one:

- a. 3
- b. 2
- c. 6
- d. 5
- e. 4

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Next page

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Question

Which of the following/s correct regarding the JDBC driver.

Select one or more:

- a. JDBC-ODBC Bridge plus ODBC driver, is also called Type 3 JDBC driver.
- b. Type 2 driver or Native-API, partly Java driver, is the fastest driver.
- c. Type 2 of JDBC driver is typically used for development and testing purposes .
- d. It contains classes and interfaces that help Java application and database.
- e. There are 4 types of JDBC drivers.

 Online Exams

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Consider a relation R (A, B, C, D, E, F, G) with the following set of functional dependencies over R:
 $F = \{ AB \rightarrow CDEFG, D \rightarrow B, D \rightarrow E, E \rightarrow FG \}$. The corresponding BCNF relations are.

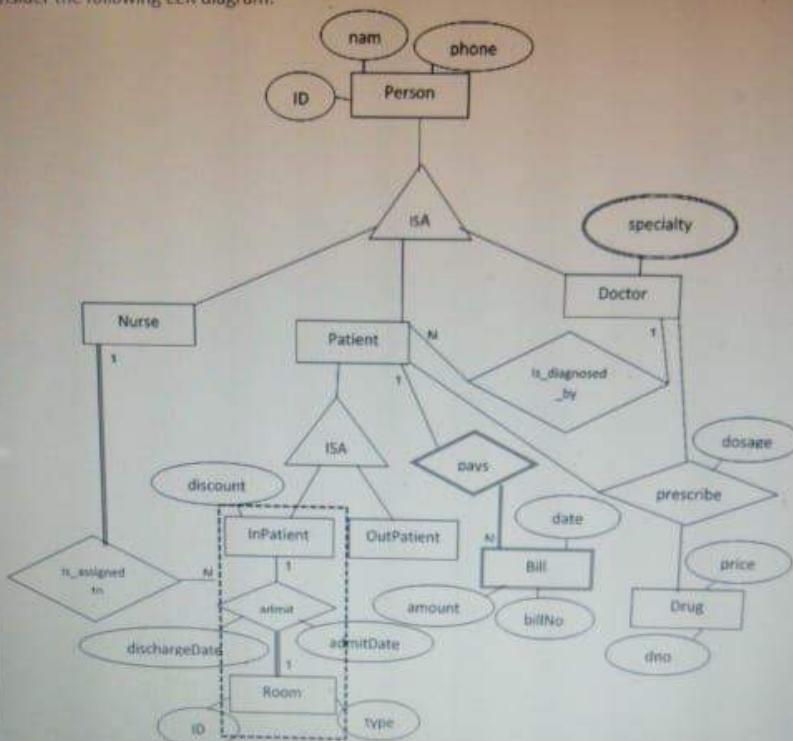
Select one:

- a. R1 (D, E), R2(A, B, C, D)
- b. R1 (E, F, G), R2 (A, B, C, D,E)
- c. R1 (E, F, G), R2 (D, E), R3 (A, B, C, D)
- d. R1 (A, B, C, D; E,F, G)
- e. R1 (E, F, G), R2 (D, E, B), R3 (A, C, D)

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SC
2
ER

Consider the following EER diagram.





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Which of the following/s correct regarding the JDBC driver.

Select one or more:

- a. JDBC-ODBC Bridge plus ODBC driver, is also called Type 3 JDBC driver.
- b. There are 4 types of JDBC drivers.
- c. Type 2 driver or Native-API, partly Java driver, is the fastest driver.
- d. It contains classes and interfaces that help Java application and database.
- e. Type 2 of JDBC driver is typically used for development and testing purposes.

Question 1

Not yet answered

Marked out of 2.5

Flag question

Consider a relation R (A, B, C, D, E, F, G, H) with the following set of functional dependencies over R:

F = { ABC → DE, D → B, E → FGH, G → F }. What is the highest Normal form Relation R in?

Select one:

- a. BCNF
- b. 2nd Normal Form
- c. 1st Normal Form
- d. 3rd Normal Form
- e. Unnormalized Form

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Quiz navigation

1

MCQ QUESTIONS

1 2 3 4

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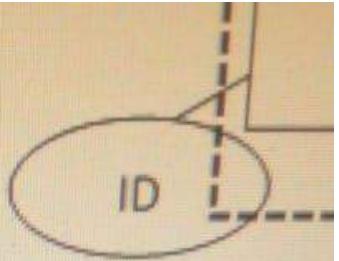
26 27 28 29

ER DIAGRAMS

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Finish attempt

Total left 15:59:49



When you map the above EER model, how many regions will you have?

Select one:

- a. 4
- b. 2
- c. 1
- d. 3
- e. None

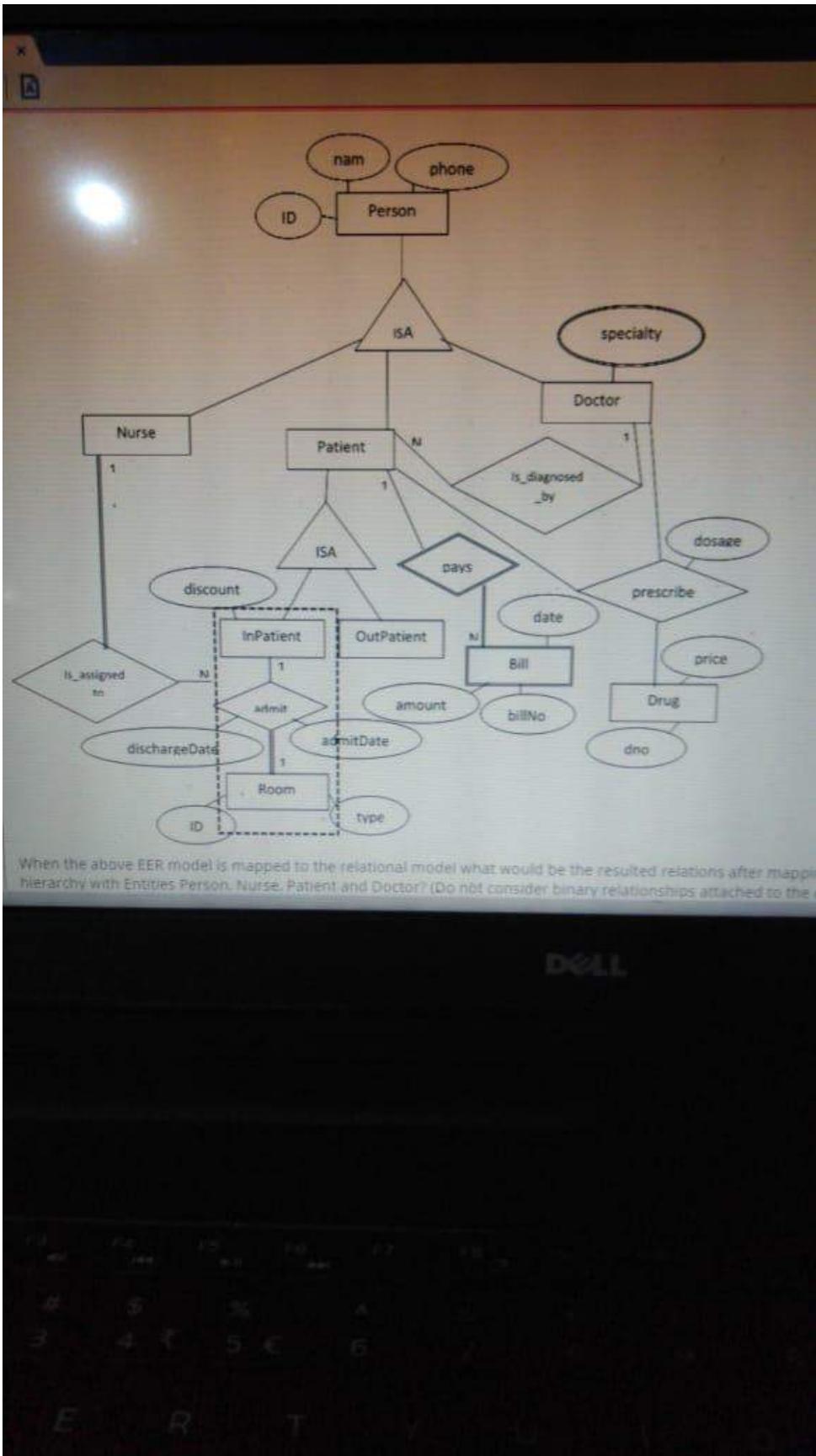


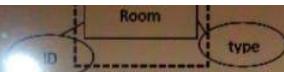
Consider a relation R (A, B, C, D, E, F, G) with the following set of functional dependencies over R:

$F = \{ AB \rightarrow C, A \rightarrow D, G \rightarrow A, B \rightarrow EFG \}$, The corresponding BCNF relations are

Select one:

- a. R1(A, D), R2(B, E, F, G), R3 (A,B,C)
- b. R1 (A, D), R2 (B, E, F, G), R3 (A,B, C, G)
- c. R1 (A, D), R2 (B, E, F, G), R3 (A,G), R4 (B, C, G)
- d. R1 (A, D), R2 (B, E, F, G), R3 (A,B, C), R4 (A,G)
- e. R1(A, B C, D, E, F, G)

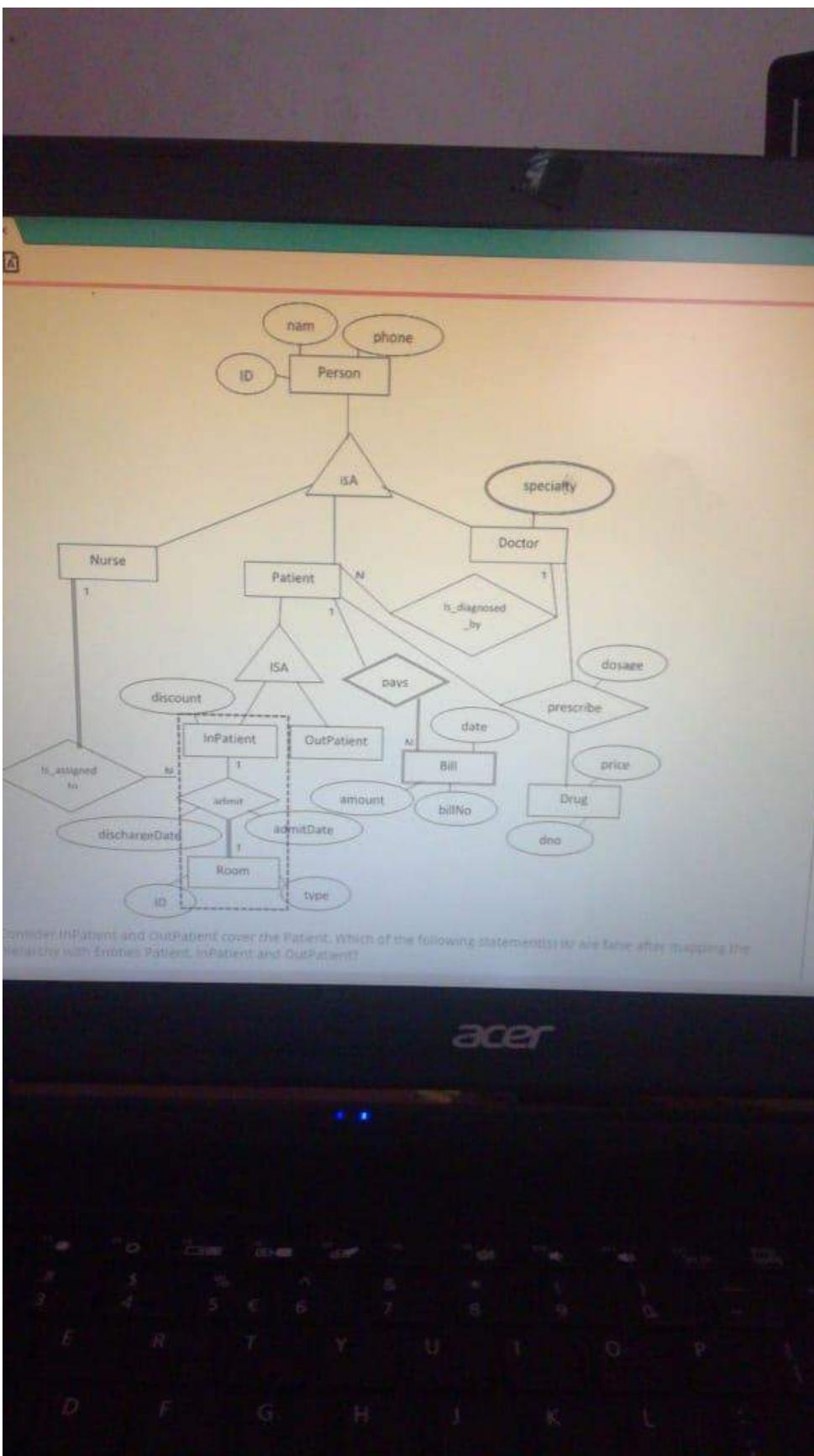


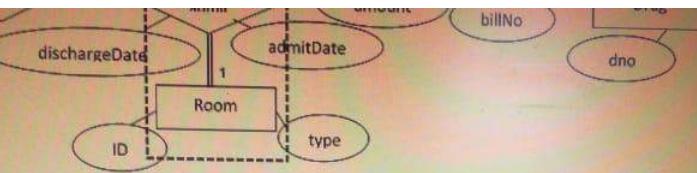


When the above EER model is mapped to the relational model what would be the resulted relations after mapping the hierarchy with Entities Person, Nurse, Patient and Doctor? (Do not consider binary relationships attached to the entities in hierarchy)

Select one:

- a. Nurse (ID, name, phone)
Patient (ID, name, phone)
Doctor (ID, name, phone)
Doctor_specialty (doctorID, specialty)
- b. Person (ID, name, phone)
Nurse (nurseID)
Patient (patientID)
Doctor (doctorID, specialty)
- c. Person (ID, name, phone, Nurse, Patient, Doctor)
Person_specialty (ID, specialty)
- d. Person (ID, name, phone)
Nurse (nurseID)
Patient (patientID)
Doctor (doctorID)
Doctor_specialty (doctorID, specialty)
- e. Person (ID, name, phone, type)
Person_specialty (ID, specialty)





Consider InPatient and OutPatient cover the Patient. Which of the following statement(s) is/ are false after mapping the hierarchy with Entities Patient, InPatient and OutPatient?

Select one or more:

- a. Option 2 would have created relations for InPatient and OutPatient
- b. Option one would have created relations for InPatient, OutPatient and Patient
- c. Option 3 and option 4 will results in null values
- d. Option 3 is more suitable
- e. Option 4 would have created relation Person only

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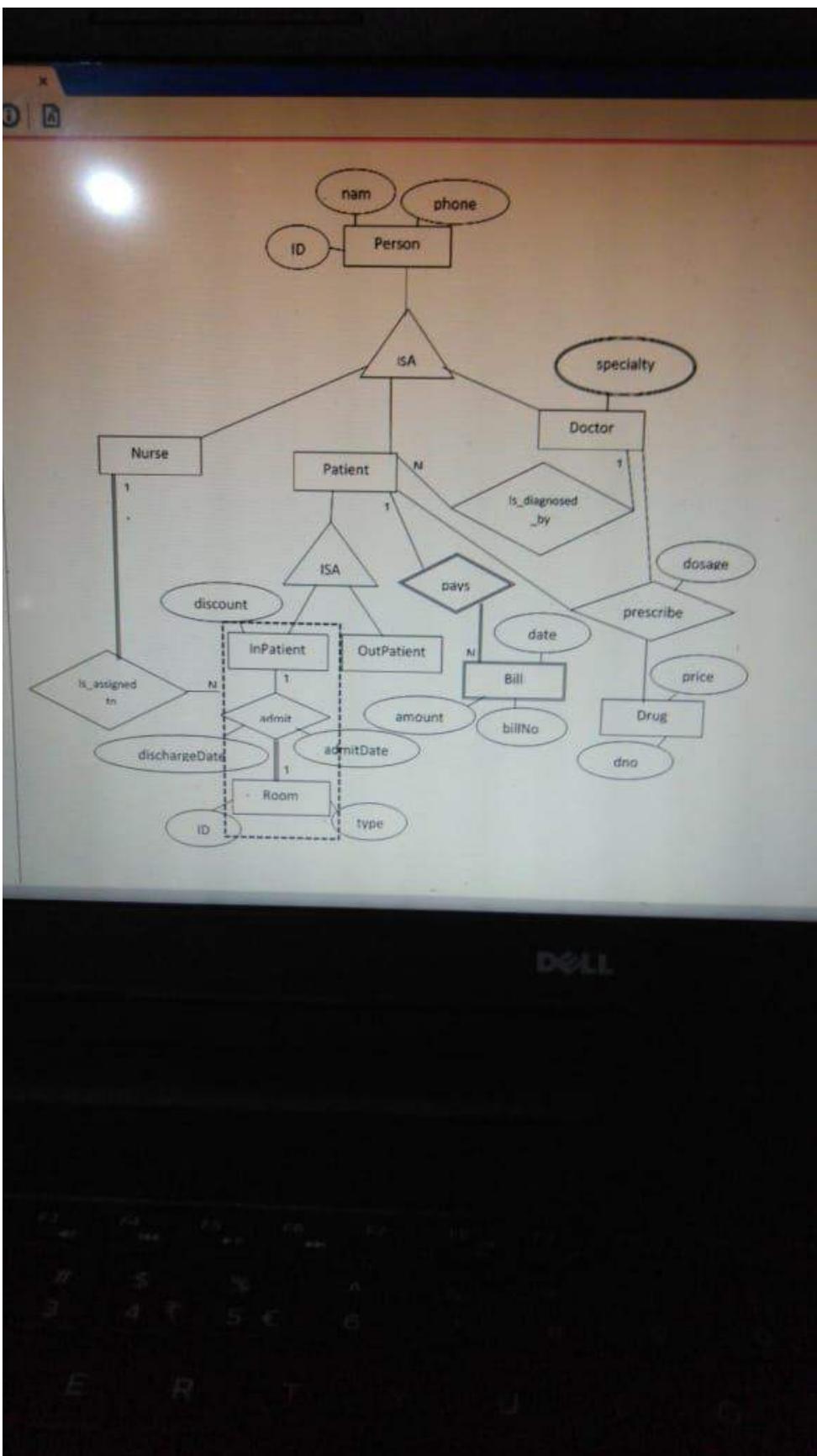
Suppose you are given a relation R = (F1, F2, F3, F4) with the following functional dependencies:

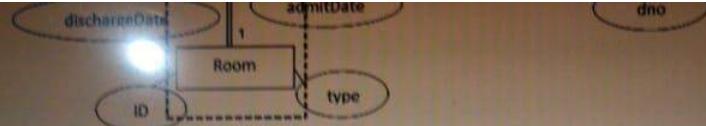
F = { F3F4 → F2, F2 → F1, F1 → F3 }, What are the candidate keys?

Select one:

- a. F1F4, F2F4
- b. F1F4
- c. F2F4
- d. F1F4, F2F4, F3F4
- e. F3F4

[Next page](#)





When you map the above EER model in to relational model how many foreign keys will the relation 'Prescribes' is going to have?

Select one:

- a. None
- b. 4
- c. 1
- d. 3
- e. 2

[Next page](#)

In SQL server, backup of the source data can be created

1. On the same device
2. On another device
3. At some other location

Select one:

- a. Both 1 and 2
- b. Only 3
- c. Only 1
- d. All of them
- e. Only 2

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Question 6

Not yet answered

Marked out of 2.5

Flag question

Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

$F = \{ F_2F_3 \rightarrow F_1F_4F_5, F_4 \rightarrow F_2 \}$. What is the highest Normal form Relation R in?

Select one:

- a. 3rd Normal Form
- b. 2nd Normal Form
- c. 1st Normal Form
- d. Unnormalized Form
- e. BCNF

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Question 6

Not yet answered
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Flag question

Select one:

a.

SELECT EmpID, EName

FROM Employee

WHERE Department='B' AND salary > ALL (SELECT salary

FROM Employee

WHERE Department = 'A'

)

b.

SELECT EmpID, EName

FROM Employee

WHERE Department='A' AND salary > ALL (SELECT salary

FROM Employee

WHERE Department = 'B'

)



5
Answered
out of 2.5
question

Consider the following scenario:

A software company has been assigned with the responsibility of automating the tasks of a private bank. This include developing a database to record customer details, and an account details. Sunil, a senior DBA is assigned to the project to handle all the administrative tasks related to the databases by the database architect. Sunil creates the required databases and assigned Malika the responsibility of managing the bankDB. Malika assigns Keshan with the responsibility of creating tables. In addition, Keshan should be able to create views, stored procedures and triggers required. Asanka and Ferosh, who are data entry operators are given the responsibility of inserting the data to the table. Nihal is assigned with the responsibility of generating reports from the table in the data. For the above purpose, Nihal could directly query the data or call functions and procedures.

Which of the following/s should you need to provide the necessary permission to Asanka and Ferosh assuming that their usernames are asanka.n and Ferosh.a respectively.

Select one or more:

- a. ALTER ROLE dataEntry ADD MEMBER asanka.n
- b. ALTER ROLE db_owner add member ferosh.a
- c. GRANT INSERT on bankDB to dataEntry
- d. ALTER ROLE dataEntry ADD MEMBER Ferosh.a
- e. ALTER ROLE db_owner add member asanka.n



Question 7
Not yet answered
Marked out of 1.0
 Flag question

How can a DML statement (i.e. insert, delete, update) executed in the database?

Select one:

- a. By making use of the execute() statement of the DMLStatement object
- b. Using InsertStatement, DeleteStatement or UpdateStatement classes
- c. By invoking Insert(), update() and delete() method on a statement object.
- d. By invoking the executeInsert(), executeDelete() or executeUpdate() methods of the DMLStatement
- e. By invoking the execute() or executeUpdate() method on a statement object

Next page

When the above EER model is mapped to the relational model what would be the number of relations in the resulted schema? (Consider Inpatient and outpatient cover patient)

Select one:

- a. 12
- b. 11
- c. 9
- d. 7
- e. 10

When you map the above EER model in to relational model how many foreign keys will the relation 'Patient' is going to have?

Select one:

- a. 1
- b. None
- c. 2
- d. 3
- e. 4



Question 6

Not yet answered

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 Flag question

In SQL server, backup of the source data can be created

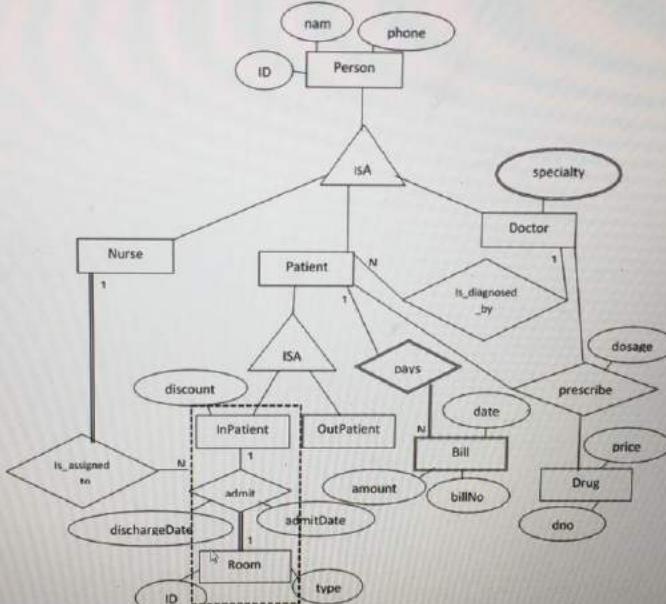
1. On the same device
2. On another device
3. At some other location

Select one:

- a. Only 1
- b. All of them
- c. Only 3
- d. Only 2
- e. Both 1 and 2

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Consider the following EER diagram.



When the EER model above is mapped to the relational model what would be the primary key of relation 'Bill'?

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MCQ QUESTIONS

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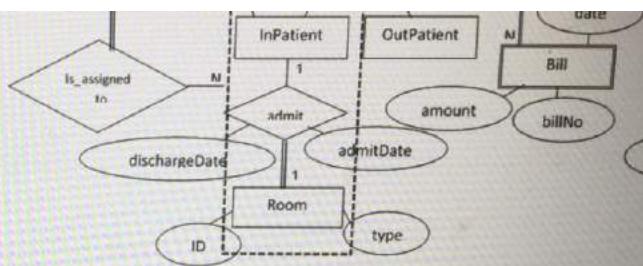
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ERROR REPORTING

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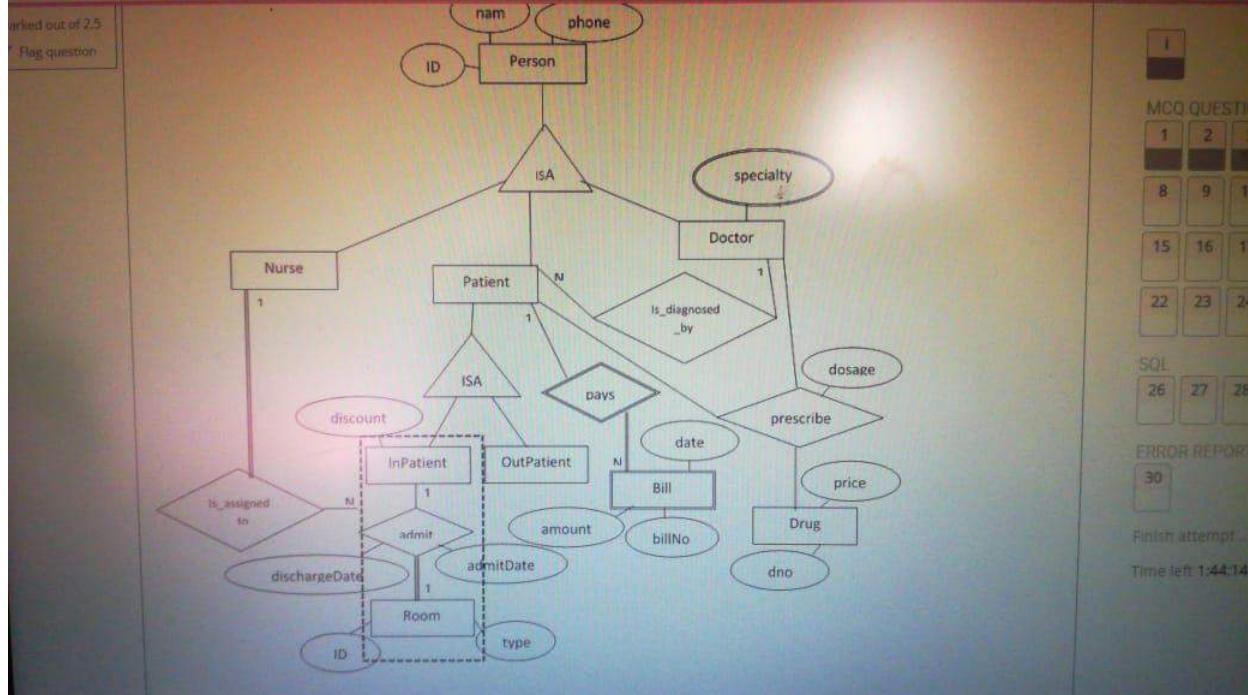
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When the EER model above is mapped to the relational model what would be the primary key of relation 'Bill'?

Select one:

- a. patientID, billNo
- b. patientID, personID
- c. patientID, amount
- d. billNo
- e. billNo, amount



Consider a relation R (A, B, C, D, E, F, G) with the following set of functional dependencies over R:

$F = \{ AB \rightarrow CDEFG, D \rightarrow B, D \rightarrow E, E \rightarrow FG \}$. The corresponding 3rd Normal form relations are.

Select one:

- a. R1 (D, E), R2 (A, B, C, D)
- b. R1 (E, F, G), R2 (D, E), R3 (A, B, C, D)
- c. R1 (A, B, C, D, E, F, G)
- d. R1 (E, F, G), R2 (D, E, B), R3 (A, C, D)
- e. R1 (E, F, G), R2 (A, B, C, D, E)



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Question 8

Not yet answered

Marked out of 2.5

Flag question

Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

$F = \{ F2F3 \rightarrow F1F4F5, F4 \rightarrow F2 \}$. The corresponding 3rd Normal form relations are

Select one:

- a. R1 (F1, F2, F3, F4), R2 (F4, F2)
- b. R1 (F1, F2, F3, F4, F5)
- c. R1 (F2, F4), R2 (F1, F3, F5)
- d. R1 (F2, F4), R2 (F1, F3, F4, F5)
- e. R1 (F2, F4), R2 (F1, F3, F4, F5), R3 (F2, F3)

Next page

If InPatient and OutPatient cover Patient, what is the best option to map the hierarchy consisting Patient, InPatient and OutPatient?

Select one:

- a. Option 2
- b. Option 1 and Option 2
- c. Option 4
- d. Option 1
- e. Option 3

[Next page](#)

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Question 3
Not yet answered
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 Flag question

Consider a relation R (A, B, C, D, E, F, G, H) with the following set of functional dependencies over R:
 $F = \{ ABC \rightarrow DE, D \rightarrow B, E \rightarrow FGH, G \rightarrow F \}$. Find all candidate keys that follow from the given FDs.

Select one:

- a. (DE)
- b. (DEG)
- c. (ABC, DEG)
- d. (ABC)
- e. (ABC, DE)

[Next page](#)

MCQ QUESTIONS			
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7
Answered
out of 25
question

Consider a relation R (F1, F2, F3, F4, F5) with the following set of functional dependencies over R:

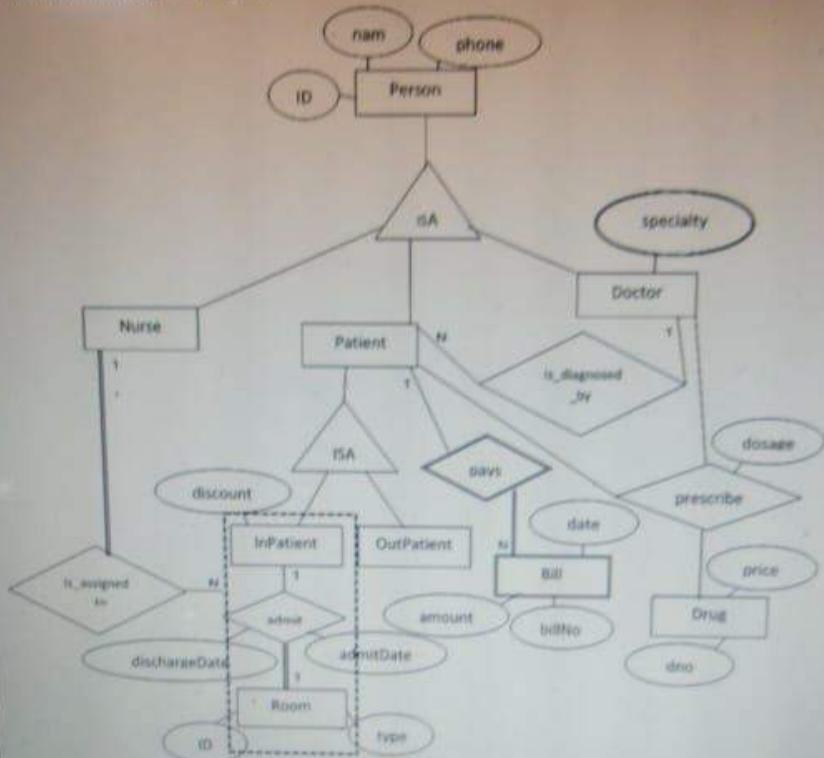
$F = \{ F2F3 \rightarrow F1F4F5, F4 \rightarrow F2 \}$. Find all candidate keys that follow from the given FDs.

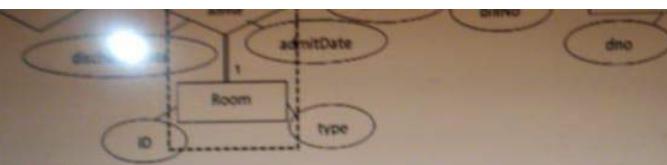
Select one:

- a. { F4 }
- b. { F2F3, F4F3 }
- c. { F4F3 }
- d. { F2F3 }
- e. { F2F3, F4 }

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Consider the following EER diagram.





What is the best option to map the hierarchy consisting Person, Nurse, Patient and Doctor?

Select one:

- a. Option 3
- b. Option 4
- c. Option 1 and Option 2
- d. Option 2
- e. Option 1

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there are 4 options you can use to map this into an ER,

option 1

- Person(**SIN**,Name)
- Student(**SIN**,GPA)
- Teacher(**SIN**,Salary)

option 2 Since this is a covering relationship, option 2 is not a good match.

- Student(**SIN**,Name,GPA)
- Teacher(**SIN**,Name,Salary)

option 3

- Person(**SIN**,Name,GPA,Salary,Person_Type) *person type can be student/teacher*

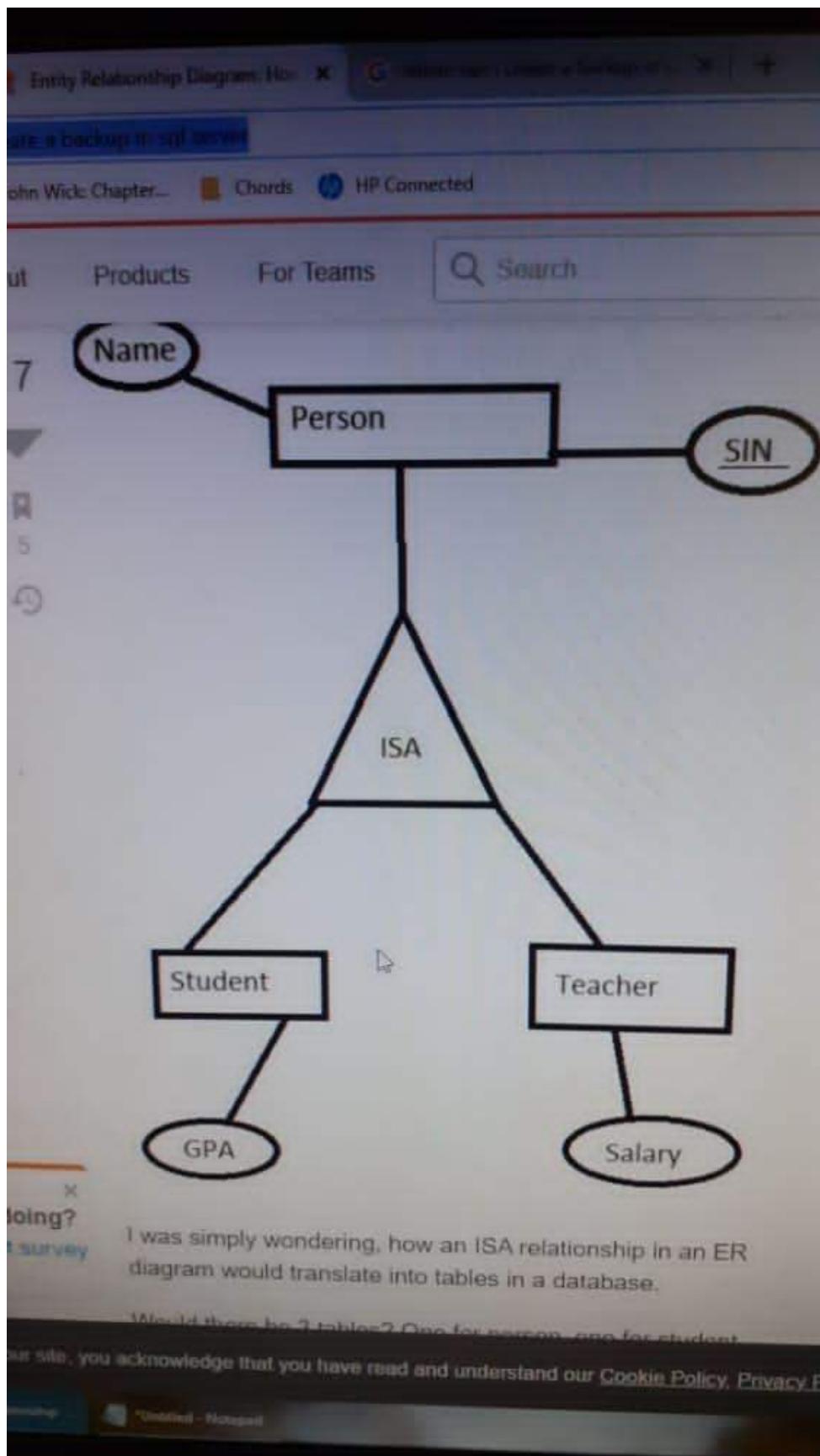
option 4

- Person(**SIN**,Name,GPA,Salary,Student,Teacher)
Student and Teacher are bool type fields, it can be yes or no, a good option for overlapping

Since the sub classes don't have much attributes, option 3 and option 4 are better to map this into an ER

e, you acknowledge that you have read and understand our [Cookie Policy](#), [Privacy P](#)

*Untitled - Notepad





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Question 10

Not yet answered

Marked out of 2.5

Flag question

Consider a relation R (A, B, C, D, E, F, G) with the following set of functional dependencies over R:

$F = \{ AB \rightarrow CDEFG, D \rightarrow B, D \rightarrow E, E \rightarrow FG \}$. The corresponding 3rd Normal form relations are.

Select one:

- a. R1 (E, F, G), R2 (D, E), R3 (A, B, C, D)
- b. R1 (E, F, G), R2 (D, E, B), R3 (A, C, D)
- c. R1 (E, F, G), R2 (A, B, C, D, E)
- d. R1 (A, B, C, D, E, F, G)
- e. R1 (D, E), R2 (A, B, C, D)

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☰ Quiz

1 2

8 9

15 16

22 23

SQL

26 27

ERROR

Moodle

→ X C | i | A

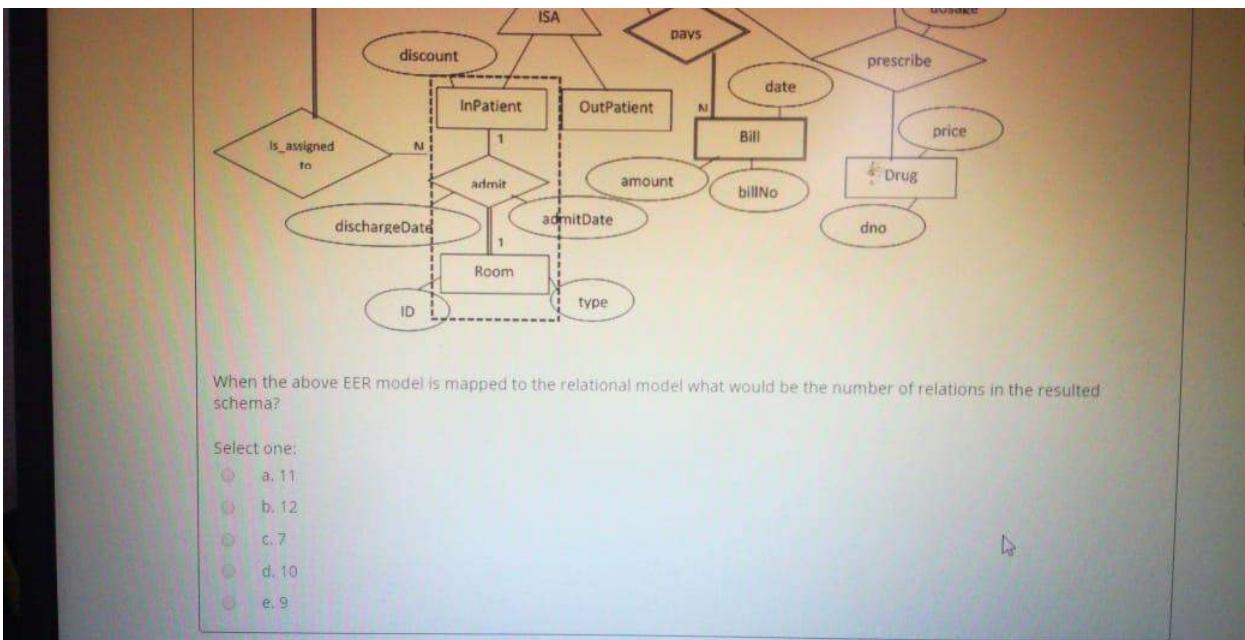
The diagram illustrates an Entity-Relationship (EER) model with the following components:

- Entities:** InPatient, OutPatient, Room, and Bill.
- Relationships:**
 - A relationship named "discount" connects InPatient and OutPatient.
 - A relationship named "admit" connects InPatient and Room, with multiplicity 1 at InPatient and N at Room.
 - A relationship named "is_assigned" connects InPatient and Room, with multiplicity M at InPatient and 1 at Room.
 - A relationship named "dischargeDate" connects InPatient and Room.
 - A relationship named "admitDate" connects Room and Bill.
- Attributes:** discount, days, date, amount, billNo, ID, and type.
- Associations:** ISA (InPatient to OutPatient), days (Room to Bill), and date (Room to Bill).

When the above EER model is mapped to the relational model what would be the schema?

Select one:

- a. 11
- b. 12
- c. 7
- d. 10
- e. 9



Moodle

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Question 3
Not yet answered
Marked out of 2.5
[Flag question](#)

Consider a relation R (A, B, C, D, E, F, G, H) with the following set of functional dependencies over R:
 $F = \{ABC \rightarrow DE, D \rightarrow B, E \rightarrow FGH, G \rightarrow F\}$. Find all candidate keys that follow from the given FDs.

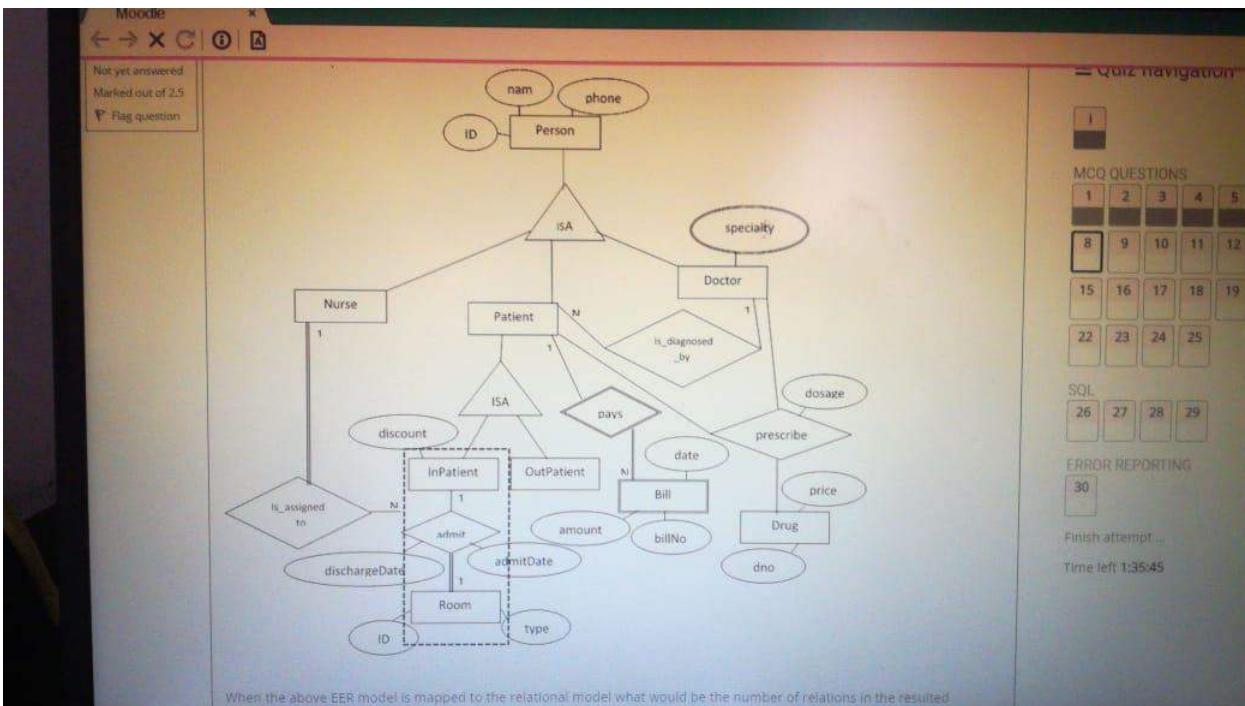
Select one:

- a. (DE)
- b. (DEG)
- c. (ABC, DEG)
- d. (ABC)
- e. (ABC, DE)

Quiz navigation

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When the above EER model is mapped to the relational model what would be the number of relations in the resulted

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Which of the following/s correct regarding the JDBC driver.

Select one or more:

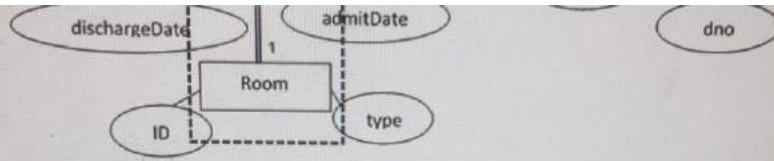
- a. Type 2 of JDBC driver is typically used for development and testing purposes .
- b. JDBC-ODBC Bridge plus ODBC driver, is also called Type 3 JDBC driver.
- c. There are 4 types of JDBC drivers.
- d. It contains classes and interfaces that help Java application and database.
- e. Type 2 driver or Native-API, partly Java driver, is the fastest driver.



Which of the following/s correct regarding the JDBC driver.

Select one or more:

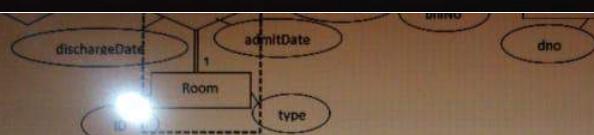
- a. JDBC-ODBC Bridge plus ODBC driver, is also called Type 3 JDBC driver.
- b. There are 4 types of JDBC drivers.
- c. Type 2 driver or Native-API, partly Java driver, is the fastest driver.
- d. It contains classes and interfaces that help Java application and database.
- e. Type 2 of JDBC driver is typically used for development and testing purposes.



Which of the following is resulted for the Prescribes relation when the ...

Select one:

- a. Prescribes (patientID, drugID, doctorID, dosage)
- b. Prescribes (patientID, drugID, doctorID)
- c. Prescribes (ID, dosage)
- d. Prescribes (ID, dosage)
- e. Prescribes (patientID, drugID, doctorID, dosage)



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When the above EER model is mapped to the relational model what would be the resulted relations after mapping the hierarchy with Entities Patient, InPatient and OutPatient? (Do not consider binary relationships attached to the entities in hierarchy)

Select one:

- a. Patient'(patientID)
InPatient (ID, discount)
OutPatient (ID)
- b. Patient (patientID)
InPatient (ID, discount)
OutPatient (ID)
- c. Patient (patientID, discount, type)
- d. Patient (patientID, discount, InPatient, OutPatient)
- e. InPatient (ID, discount)
OutPatient (ID)

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Fixed database role that authorizes a user to access the database, but not to manage database level security is :

Select one:

- a. processadmin
- b. serveradmin
- c. securityadmin
- d. db_accessadmin

Consider the following relations of a database created for a **Car Rental** company.

Driver (driverID: char(4), driver_name: varchar(15), address: varchar(50), phone: char(10), licenceNo: char(5))

Car (carID: char(4), make: varchar(15), model: varchar(15), body_type: varchar(15), no_seats: int, year: datetime)

Route (route_id: char(4), source: varchar(20), destination: varchar(20), route_type: varchar(15), fare: real)

Customer (customerID: char(4), customer_name: varchar(20), phone: char(10), address: varchar(50))

Booking (booking_id: char(4), dateBooked: datetime, dateReturned: datetime, customerID: char(4), route_id: char(4), car_id: char(4), driverID: char(4))

The database stores information on Drivers registered by the car rental company in the **Driver** table. The table stores a unique driver ID (driverID), name, address, phone number and the driving license number. Information about the Cars is recorded in the **Car** table. The table includes a unique number (carID), make ('Toyota', 'Honda', 'Audi', etc.), model ('Aqua', 'Civic' etc.), body type ('Wagon', 'Hatchback' etc.), number of seats, and the year manufactured. **Route** table stores all the operations on car routes including a unique number (route_id), route source, route destination, route type ('one way' or 'both ways') and the fare amount. Information about the Customers is also documented in the **Customer** table. The table consists of a unique number (customerID), customer name, phone number and address. When a Customer wants to rent a car the company stores the records in a **Booking** table along with the unique number (booking_id), date of which the booking happened, the return date of the car, the customer who elaborate in renting the car (customerID), the route in which the car is traveling (route_id), the car ID (car_id) and the driver who is dedicated for driving the car (driverID).

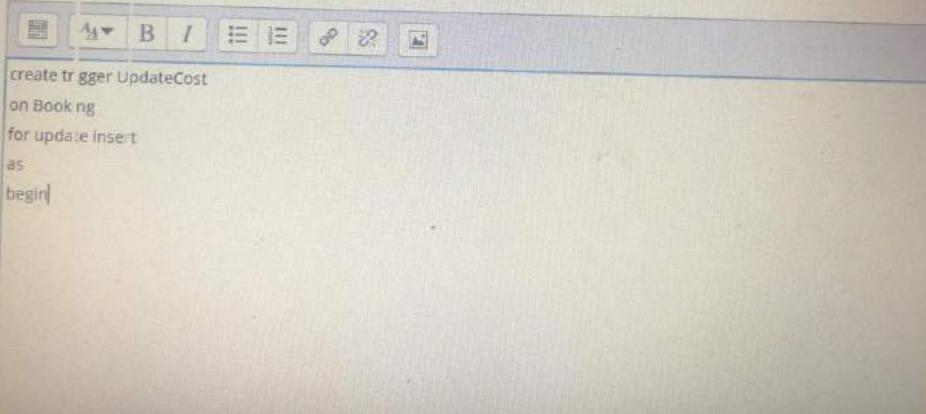
Create a trigger to update the noOfRoutes of a driver when adding a new record to the Booking table. Assume that there exists a stored procedure to update the total number of routes (noOfRoutes) of a driver based on the route entries recorded in the Booking table. The Driver table is modified by adding a new attribute (noOfRoutes: int).

'both ways') and the fare amount. Information about the Customers is also documented in the **Customer** table. The table consists of a unique number (customerID), customer name, phone number and address. When a Customer wants to rent a car the company stores the records in a **Booking** table along with the unique number (booking_ID), date of which the booking happened, the return date of the car, the customer who elaborate in renting the car (customerID), the route in which the car is traveling (route_id), the car ID (car_id) and the driver who is dedicated for driving the car (driverID).

Create a trigger to update the cost of a route when modifying a record to the Booking table. Assume that there exists a stored procedure to check the approval of the new discount amount.

The company can grant a discount fare amount to customers for a given time period. The discount amount is assessed based on a condition. If the route type is 'two ways' a discount amount is 8% of the existing fare amount.

The request is directed for approval during the month of November.



A screenshot of a database management system interface showing the creation of a trigger. The trigger is named 'UpdateCost' and is defined on the 'Booking' table. It uses an 'insert or update' trigger type and contains a single line of code: 'begin'. The interface includes a toolbar at the top with various icons for operations like insert, update, delete, and search.

```
create trigger UpdateCost
on Booking
for update insert
as
begin
```

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