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g 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. A delete operation
- c. An insert operation
- d. An update operation
- e. An alter table operation

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tion 12

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question

Consider the schema given below.

Suppliers (*sid*: integer, *sname*: string, *address*: string)

Parts (*pid*: integer, *pname*: string, *color*: string)

Catalog (*sid*: integer, *pid*: integer, *cost*: real)

Display all the details of the suppliers who have supplied parts with "motor parts" in the name.

Select one or more:

- a. Select s.*from Supplier s, Catalog c, Parts p Where s.sid=c.sid and p.pid=c.pid and pname='Motor Parts'
- b. Select s.sid, s.sname, s.addressfrom Supplier s, Catalog c, Parts p Where s.sid=c.sid and p.pid=c.pid and pname='Motor Parts'
- c. Select s.sid, s.sname, s.addressfrom Supplier s, Catalog c, Parts p Where s.sid=c.sid and p.pid=c.pid and pname like %'Motor Parts'%
- d. Select *from Supplier Where pname='Motor parts' and p.pid=c.pid
- e. Select s.sid, s.sname, s.addressfrom Supplier s, Catalog c, Parts p Where s.sid=c.sid and p.pid=c.pid and pname like %Motor Parts%

Next page

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Question 15

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Flag question

Consider the relation below.

R (P, Q, R, S, T)

The functional dependencies are;

QR -> PST

S -> Q

Find the key

Type your answer here

Next pa

MacBook Air

F2 F3 F4 F5

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Flag question

Every dense index is an unclustered index, while every sparse index is a clustered index.

Select one:

- True
- False

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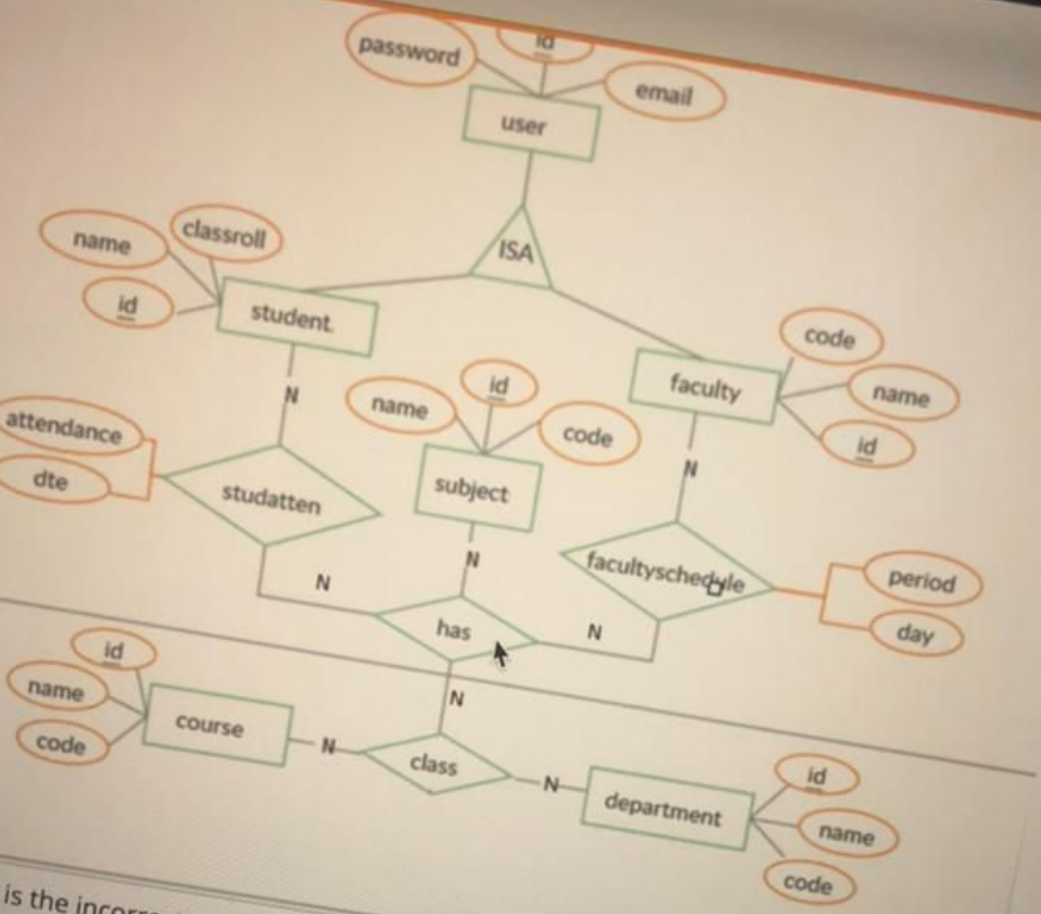
Flag question



Which one is the incorrect answer for the given entities of the above aggregation relationship after mapping?

Select one:

- a. has (cid, did, subject_id)
- b. course (cid, name, code)
- c. department (did, name, code)
- d. class (cid, did, subject_id)
- e. class (cid, did)

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Question 19

Not yet answered

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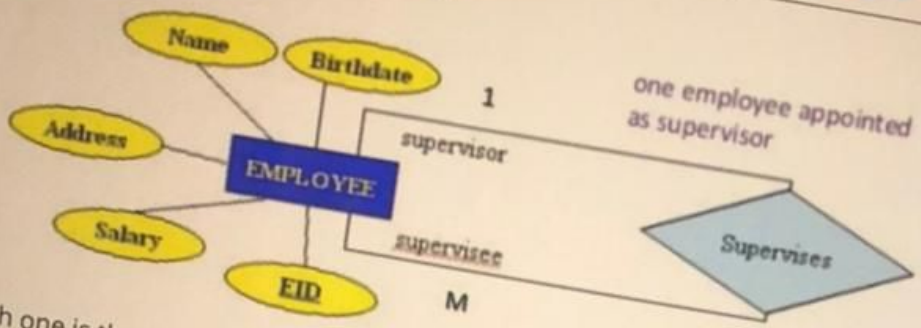
Flag question

Consider following unary Relationship.



Which one is the correct entity(s) after mapping the above unary relationship?

Select one:

a.
EMPLOYEE(EID,Name,Address,Birthday,Salary,Super-EID)
SUPERVISOR (Super-EID,Name,Address,Birthday,Salary)

b.
SUPERVISEE(EID,Name,Address,Birthday,Salary,Super-EID)
SUPERVISOR (EID,Super-EID)

c. EMPLOYEE(EID,Super-EID,Name,Address,Birthday,Salary)
SUPERVISOR(Super-EID,EID,Name,Address,Birthday,Salary)

d. EMPLOYEE(EID,Name,Address,Birthday,Salary)

e. EMPLOYEE(EID,Name,Address,Birthday,Salary,Super-EID)

Next page

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Consider the schema given below.

Emp(eid: integer, ename: string, age: integer, salary: real)
Works(eid: integer, did: integer, peLtime: integer)
Dept(did: integer, dname: string, budget: real, managerid: integer)

Display the names and the department ID of the employees whose names start with G.

Select one or more:

a.

- Select e.ename, w.did

From Emp e, Works w
Where e.eid = w.eid and e.ename like 'G%'

b. Select e.ename, w.did

From Emp e, Works w

Where e.eid = w.eid and e.ename = 'G%'

c.

- Select e.ename, w.did

From Emp e, Works w

Where e.ename like 'G%'

d.

- Select Emp.ename, Works.did

From Emp, Works

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ag question

Suppose relation R(A,B,C,D,E) has the following functional dependencies;

A -> B

B -> C

BC -> A

A -> D

E -> A

D -> E

Which of the following is/ are keys?

Select one or more:

- a. DE
- b. BC
- c. C
- d. E
- e. All of the above

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Question 26

Not yet answered

Marked out of .00

Flag question

Consider the schema given below.

Sailors (sid: integer, *sname:* string, *rating:* integer, *age:* real)

Boats (bid: integer, *bname:* string, *coloT:* string)

Reserves (sid: integer, bid: integer, *day:* date)

Who are the sailors sail on '20.02.2021' ?

Select one:

a.
```
Select s.sname
From Sailors s, Reserves r
Where s.sid =  r.sid and r.day = '20.02.2021'
```

b.
```
Select sname
From Sailors , Reserves
Where sid =  sid and day = '20.02.2021'
```

c.
```
Select s.sname
From Sailors s, Reserves r
Where s.sid =  r.sid and r.day = 20.02.2021
```

d.
```
Select s.sname
From Sailors s, Reserves r
Where s.sid =  r.sid
```

e. None of the above

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27

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Select the correct statement(s)

Select one or more:

- [ ] a. We can create only one unclustered index per table
- [ ] b. Performance of <age,gpa> and <gpa,age> is not similar
- [ ] c. Cost of retrieving records from an unclustered index is less costly
- [ ] d. Search key in the index is always not the same as the primary key
- [ ] e. Sparse index points to slots in the database file

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Select the incorrect statement(s)

Select one or more:

- a. Indexes slow down inserting records
- b. Indexes improve the performance of database modification operations
- c. Indexes help us to manage the storage space
- d. Indexes result in data duplication
- e. We can create many indexes for a given table

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question

Consider the given schema.

Sailors (sid: integer, *snarne:* string, *rating:* integer, *age:* real)

Boats (bid: integer, *bname:* string, *coloT:* string)

Reserves (*sid:* integer, bid: integer, *day:* date)

Display the names of the sailors who are below 50 years of age in the ascending order of their a

Select one or more:

- a.
  Select sname
  From Sailors
  Where age < 50
  Order by age asc
- b.
  Select sname
  From Sailors
  Having age < 50
  Order by age aesc
- c.
  Select sname
  From Sailors
  Where age < 50
  Order by age desc
- d.
  Select sname
  From Sailors
  Where age < 50
  Order by age
- e.
  Select sname

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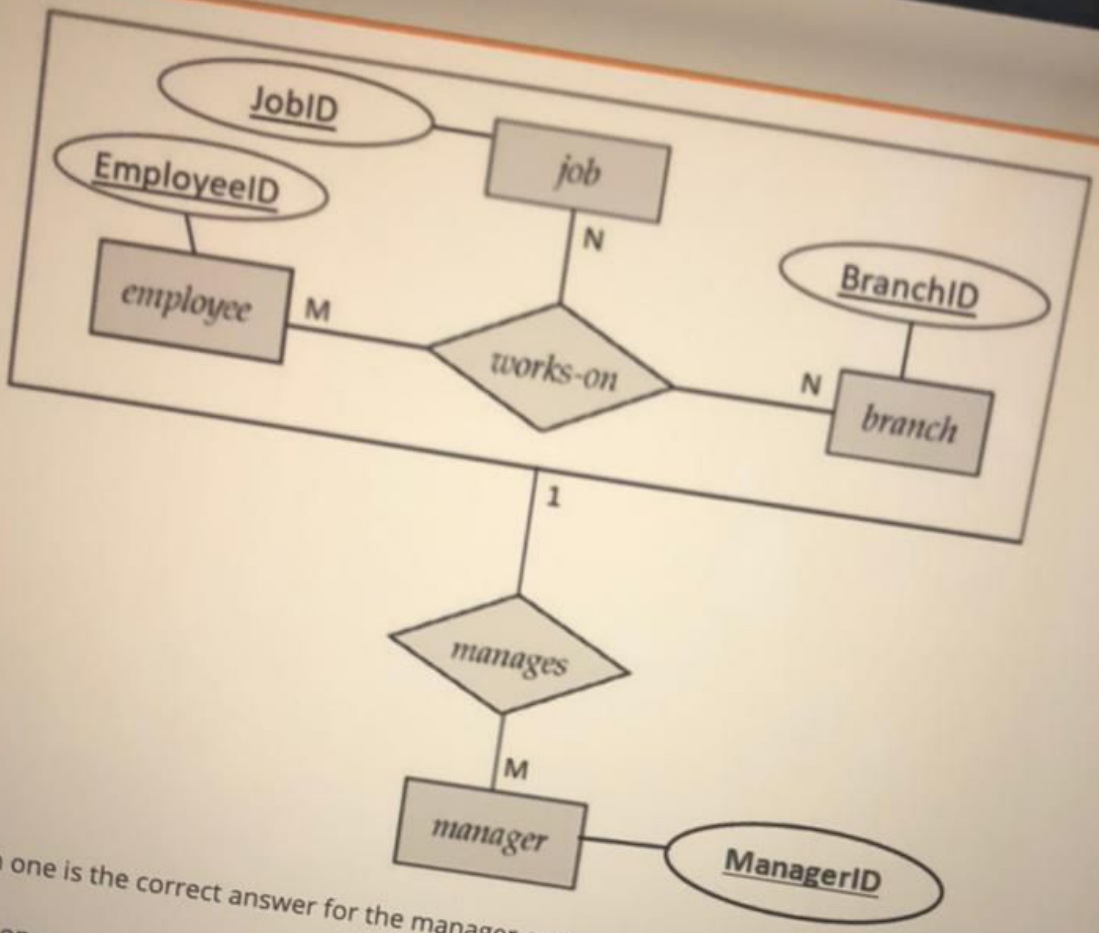

Which one is the correct answer for the manager entity of the above aggregation relationship after mapping?

Select one:

- a. manager (ManagerID, EmployeeID, BranchID)
- b. manager (ManagerID, JobID)
- c. manager (ManagerID)
- d. manager (ManagerID, EmployeeID, BranchID, JobID)
- e. manager (ManagerID, EmployeeID)

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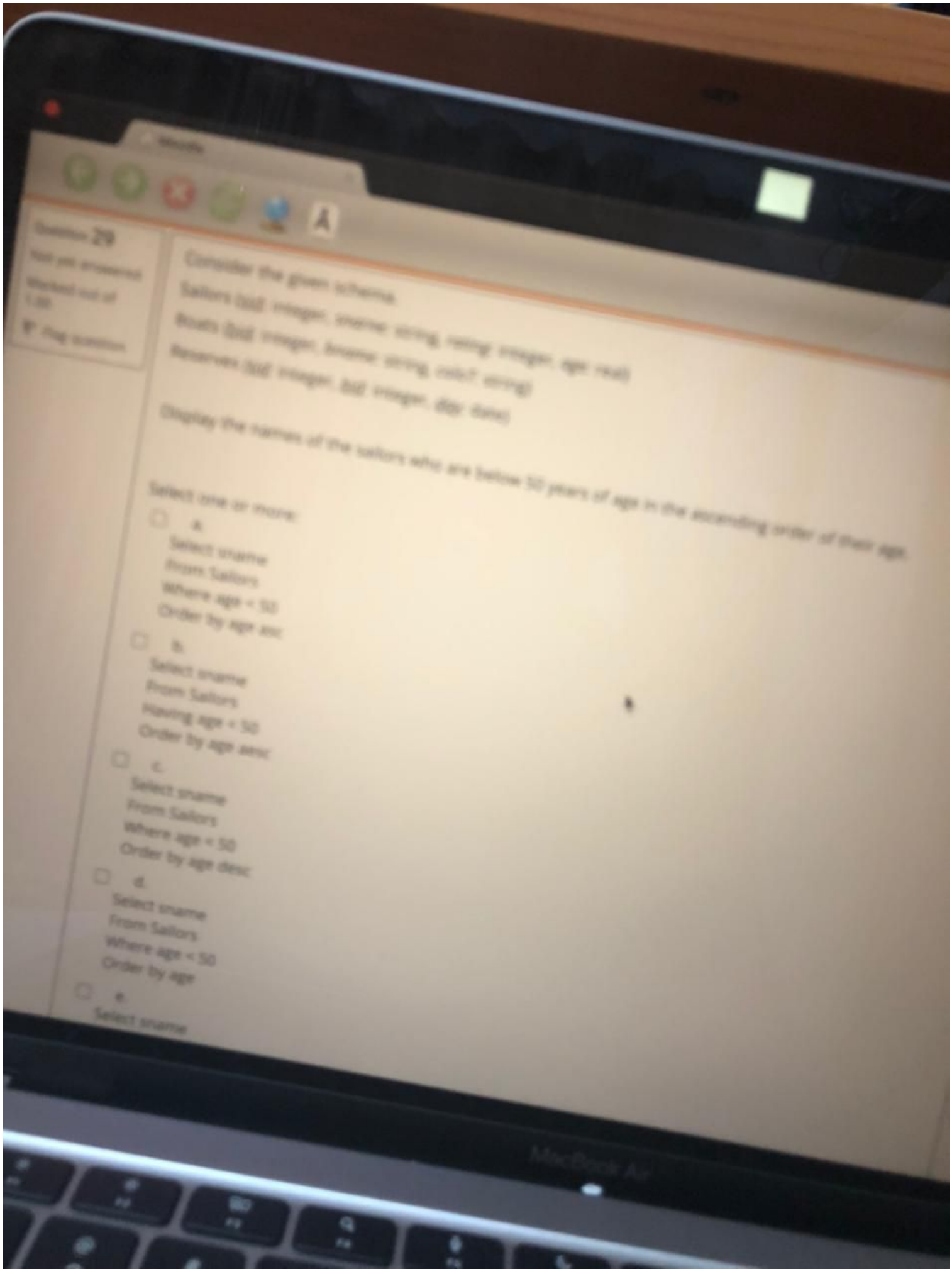

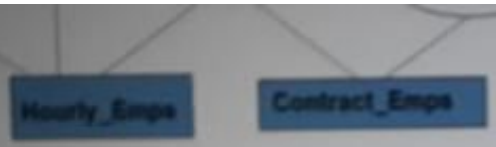

Which one is the correct answer after mapping this ISA relationship using option 2?

Select one:

a.
Employees(ssn, name, lot)

Hourly_Emps(ssn,hourly_wages,hours_worked)

Contact_Emps(ssn,contactid)

b. Employees(ssn,name, lot, hourly_wages,hours_worked, contacted,type)

c.
Hourly_Emps(ssn, name, lot,hourly_wages,hours_worked)

Contact_Emps(ssn, name, lot ,contactid)

d.
Employees(ssn, name, lot)

Hourly_Emps(ssn,name, lot ,hourly_wages,hours_worked)

Contact_Emps(ssn, name, lot ,contactid)

e.
Hourly_Emps(ssn, hourly_wages,hours_worked)

Contact_Emps(ssn, contactid)

Question 6

Not yet answered

Marked out of 1.00

Flag question

R(A, B, C, D, E, F)

Functional dependencies are ;

DC -> AE

E -> F

AB -> C

The key of the relation is {BCD}+

Derive the key using axioms and select the respective order of the axioms you applied.

Axiom 1 Choose... _____

Axiom 2 Choose... _____

Axiom 3 Choose... _____

Axiom 4 Choose... _____

Choose...
Decomposition
Transitivity
Union
Augmentation

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9

You are asked to create a variable named 'GPA' to store the gpa values of students.

Write the syntax of how you create variables in sql.

DECLARE @GPA AS

Not yet answered

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Flag question

Consider the schema given below.

Sailors (sid: integer, *sname:* string, *rating:* integer, *age:* real)

Boats (bid: integer, *bname:* string, *coloT:* string)

Reserves (sid: integer, bid: integer, *day:* date)

Display the name and the names of the boats sailed by the sailor with a highest rating

Select one:

a.
```
Select s.sname, b.bname, max(s.rating)
From Sailors s, Boats b, Reserves r
Where s.sid = r.sid and b.bid = r.bid
Group by s.sname, b.bname
```

b.
```
Select s.sname, b.bname, max(s.rating)
From Sailors s, Boats b, Reserves r
Where s.sid = r.sid and b.bid = r.bid
```

c.
```
Select s.sname, b.bname, max(s.rating)
From Sailors s, Boats b, Reserves r
Where s.sid = r.sid
Having max(s.rating)
```

d.
```
Select sname, bname, max(rating)
From Sailors, Boats , Reserves
Where sid = sid and bid = bid
Having max(rating) >= ALL
```

e. All of the above

Finish

Time left

1 9 17 25 26 31

FEEDBACK

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Question 11

Not yet answered

Marked out of 1.00

Flag question

Consider the relation below.

R (P, Q, R, S, T)

The functional dependencies are;

QR -> PST

S -> Q

Find the key

Type your answer here

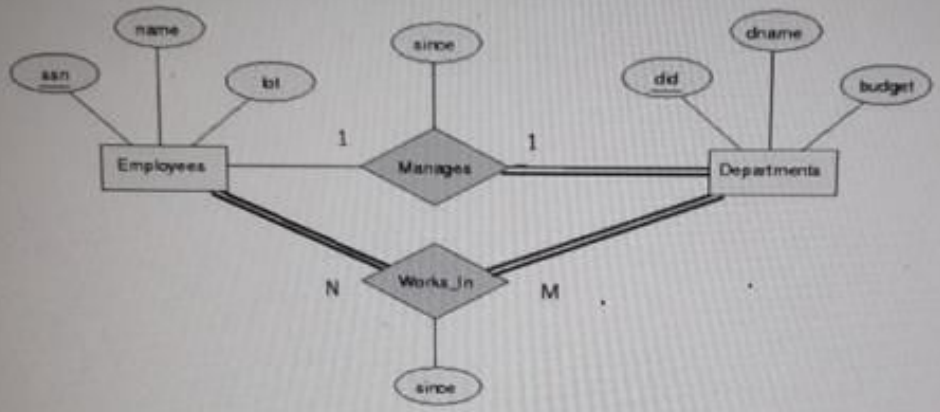
Question 12

Not yet answered

Marked out of 1.00

Flag question

Consider the following E-R Diagram.



Which is the correct mapping for the given scenario?

Select one:

a.
Employees(ssn, name, lot, did)

Departments(did, dname, budget,ssn)

b.
Employees(ssn, name, lot, since, did)

Departments(did,dname, budget,ssn,since)

c.
Employees(ssn, name, lot)
Departments(did,dname, budget,ssn,since)

Works_in(ssn,did, since)

d.
Employees(ssn,name, lot,did,since)

Select one:

a.
Employees(ssn, name, lot, did)

Departments(did, dname, budget,ssn)

b.
Employees(ssn, name, lot, since, did)

Departments(did,dname, budget,ssn,since)

c.
Employees(ssn, name, lot)
Departments(did,dname, budget,ssn,since)

Works_In(ssn,did, since)

d.
Employees(ssn,name, lot,did,since)

Departments(did, dname, budget)

Works_In(ssn, did, since)

e.
Employees(ssn,name, lot)

Departments(did, dname,budget,ssn,since)

Works_In(ssn, did, since)

Manages(ssn, did, since)

Next page

Question 13
Not yet answered
Marked out of 1.00
Flag question

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

Select one or more:

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

Next page

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Question 14

Not yet answered

Marked out of 1.00

Flag question

Select the correct statement(s) about procedures.

Select one or more:

- [ ] a. Has a return statement
- [ ] b. Only the 'exec' command is enough when calling any procedure
- [ ] c. Every output parameter should be accompanied by the,parameter mode.
- [ ] d. A procedure can be created without input/output parameters
- [ ] e. Always inputs and outputs are required

Next page

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Question 15

Not yet answered

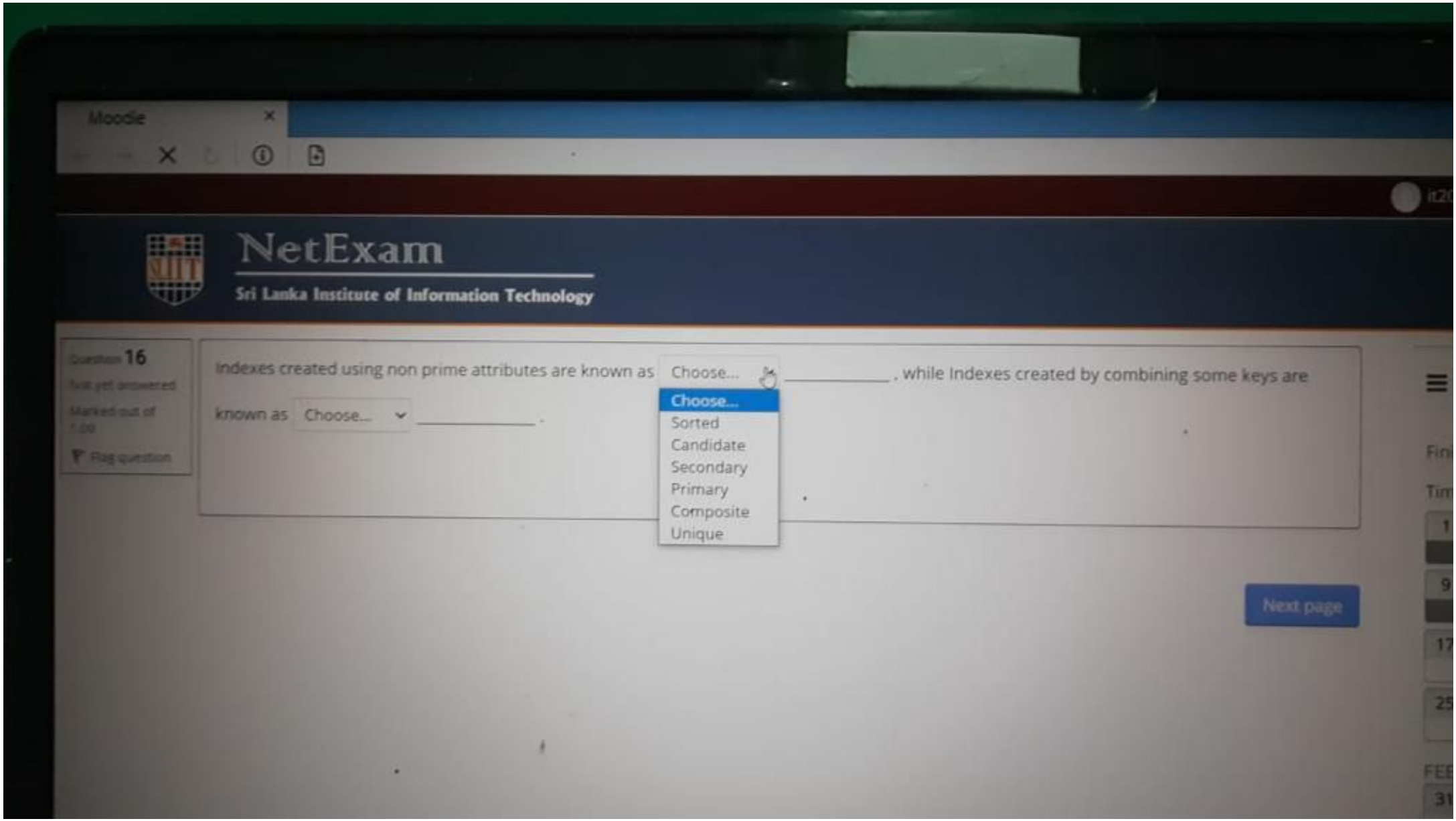
Marked out of 1.00

Flag question

Every dense index is an unclustered index, while every sparse index is a clustered index.

Select one:

- True
- False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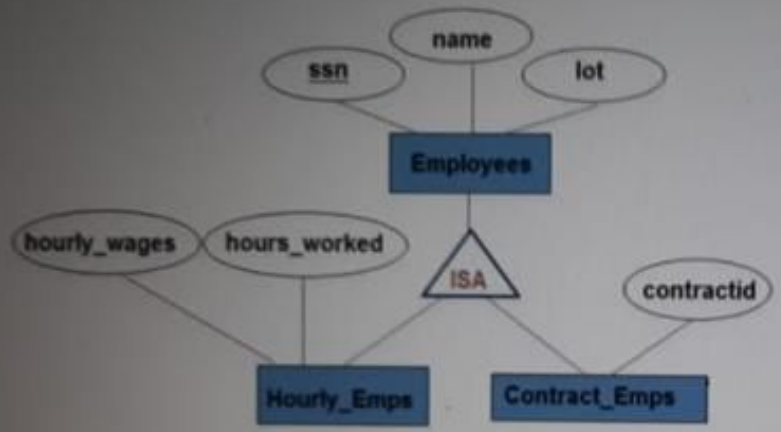
Question 16
Not yet answered
Marked out of 1.00
Flag question
Indexes created using non prime attributes are known as Choose... _____ . while Indexes created by combining some keys are known as Choose... _____ .
Choose...
Sorted
Candidate
Secondary
Primary
Composite
Unique
Next page

Not yet answered

Marked out of 1.00

Flag question

Consider the following ISA relationship



Which one is the correct answer after mapping this ISA relationship using option 2?

Select one:

- a.
  Employees(ssn, name, lot)

  Hourly_Emps(ssn,hourly_wages,hours_worked)

  Contact_Emps(ssn,contactid)
- b. Employees(ssn,name, lot, hourly_wages,hours_worked, contacted,type)
- c.
  Hourly_Emps(ssn, name, lot,hourly_wages,hours_worked)

  Contact_Emps(ssn, name, lot ,contactid)
- d.
  Employees(ssn, name, lot)

  Hourly_Emps(ssn,name, lot ,hourly_wages,hours_worked)

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Question 18

Not yet answered

Marked out of 1.00

Flag question

Select the incorrect statement regarding Entity Relationship Diagrams.

Select one:

- a. The ERD comprises entity types, relationship types and their constraints.
- b. We say we have a recursive relationship if the same entity type appears more than once in a relationship.
- c. Cardinality is a constraint on a relationship specifying the number of entity instances that a specific entity may be related to via the relationship.
- d. Entity Relationship Diagram is a graphical representation of entities (which will become your tables) and their relationships to each other.
- e. Descriptive attribute is an attribute whose values can be calculated from related attribute values.

Next page

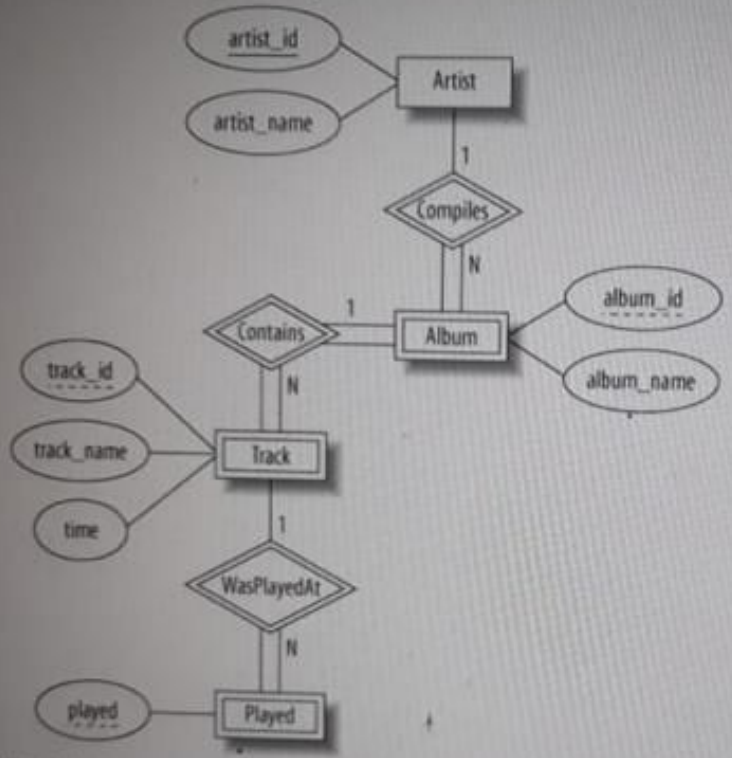
Question 19

Not yet answered

Marked out of 1.00

Flag question

Consider the following E-R Diagram.

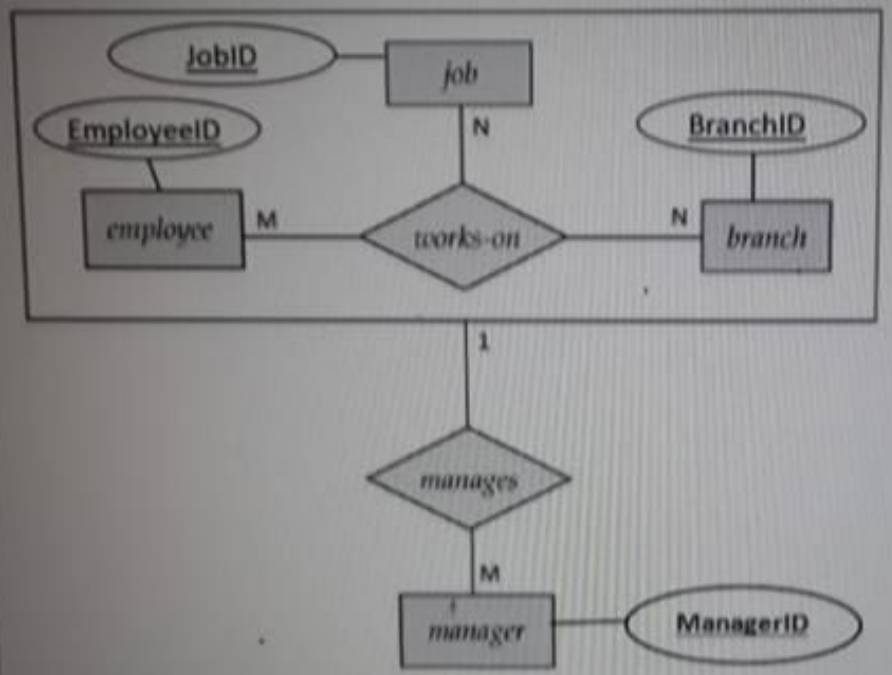


Which is the correct answer regarding the entity mapping?

Select one:

- a. Played (played track_id)
- b. Album (album_id, artist_id, album_name)
- c. Artist (artist_id, artist_name)
- d. Track (track_id, album_id track_name, time)
- e. Album (album_id, artist_id, album_name)

Consider the following aggregation relationship:



Which one is the correct answer for the manager entity of the above aggregation relationship after mapping?

Select one:

- a. manager (ManagerID, EmployeeID, BranchID)
- b. manager (ManagerID, JobID)
- c. manager (ManagerID, EmployeeID, BranchID, JobID)
- d. manager (ManagerID, EmployeeID)
- e. manager (ManagerID)

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Question 21

Not yet answered

Marked out of 1.00

Flag question

Select the correct statement(s)

Select one or more:

- [ ] a. Cost of retrieving records from an unclustered index is less costly
- [ ] b. We can create only one unclustered index per table
- [ ] c. Sparse index points to slots in the database file
- [ ] d. Performance of <age,gpa> and <gpa,age> is not similar
- [ ] e. Search key in the index is always not the same as the primary key

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Question 22

Not yet answered

Marked out of 1.00

Flag question

Database Choose... _____ is a collection of Choose... _____, which is a collection of Choose...

_____ which stores a Choose... _____.

Choose...
Slot
File
Record
Page
Table
Row

Next page

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Question 20

Not yet answered

Marked out of 1.00

Flag question

Choose... _____ file organization technique mostly helps to perform range search, while Heap file organization technique mostly helps to perform Choose... _____

- Choose...
- Sequential
- Insert
- Delete
- Update
- Seek
- Hash
- Heap
- Search

Next page