



Online Exams

Sri Lanka Institute of Information Technology

Question 50

Not yet answered

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1.00

Flag question

Consider the following multiplicity indicators and their meanings.

Indicator	Meaning
A. 0..1	Zero or one
B. n..m	Between n and m
C. 0..*	Zero or none
D. 1-2	One or two
E. 0..1, 4..7	Zero or one, or between 4 and 7 inclusive

Which of the above are correct?



Select one:

- a. A and C
- b. A, B and C
- c. A, B, C and D
- d. All of the above

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- Types of inheritance in C++ are
- Select one:
- a. Multilevel
 - b. Multiple
 - c. Hierarchical
 - d. All the above

Question 24

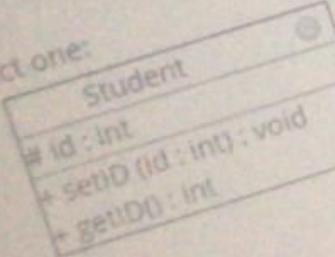


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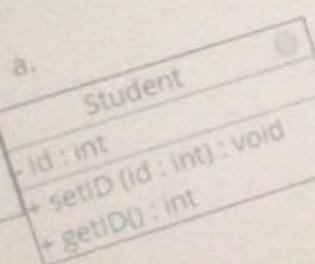
Sri Lanka Institute of Information Technology

The system has three classes, Student, WeekendStudent and WeekdayStudent. WeekendStudent and WeekdayStudent are child classes of the Student class. Select the correct UML notation for Student class.

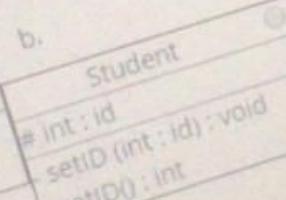
Select one:



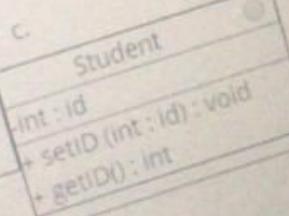
a.



b.



c.



d.

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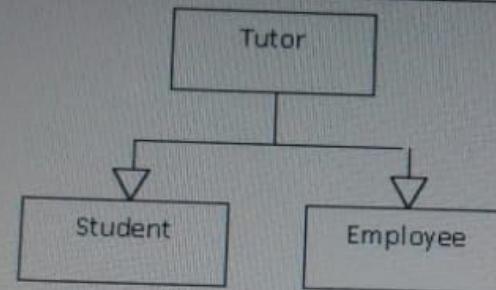
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Question 52

Not yet answered

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What is correct about the above diagram ?

Select one:

- a. Tutor is the super class of Student and Employee.
- b. Student and Employee classes are derived from Tutor.
- c. Student and Employee classes have common properties.
- d. Tutor is a Student as well as an Employee.





Question 25

Not yet answered

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Flag question

In C++ , abstract class can have

Select one:

- a. Pure virtual function
- b. Non-virtual function
- c. Only pure virtual function
- d. Both pure virtual and non-virtual function





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Question 26

Not yet answered

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1.00

Flag question

Select the most correct diagram to show the relationship of **Student** class and **EnrollmentKey** class.

Select one:

- a. A UML class diagram showing a dashed line with an arrowhead pointing from the "Student" class to the "EnrollmentKey" class.
- b. A UML class diagram showing a dashed line with an arrowhead pointing from the "EnrollmentKey" class to the "Student" class.
- c. A UML class diagram showing a solid line connecting the "Student" class and the "EnrollmentKey" class, ending in a diamond junction symbol.
- d. A UML class diagram showing a solid line connecting the "EnrollmentKey" class and the "Student" class, ending in a diamond junction symbol. A hand cursor icon is placed over the line near the junction.



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Pure Virtual function can be written as

Select one:

- a. void virtual show()=0
- b. void virtual show()==0
- c. virtual void show()=0
- d. virtual void show()==0



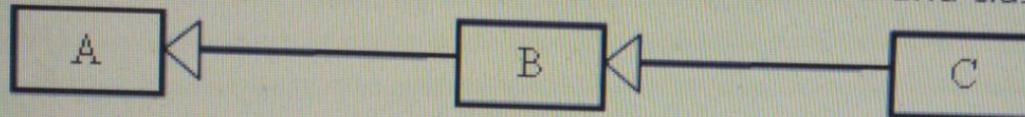
Question 27

Not yet answered

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1.00

Flag question

Select the **incorrect** statement for class A, class B and class C given below.



Select one:

- a. Class B inherits the properties of class C.
- b. Class C inherits the properties of class B.
- c. Class B inherits properties of class A.
- d. Class C inherits the properties of class A.



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Consider following statements.

- A) Virtual functions support dynamic polymorphism
- B) Virtual functions must be non-static member function of the class
- C) Constructor Functions cannot be virtual

Select one:

- a. Only A is incorrect
- b. A and B are correct.
- c. A, B and C are correct.
- d. B and C are incorrect.





Online Exams

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A system is designed to assign topics for assignment groups. Each group consist of 4 or 5 group members. Developers of the system have identified Topic class, Group class and GroupMember class as the classes in this system. Select the most correct relationship for Group class and GroupMember class.

Select one:

- a. Composition
- b. Inheritance
- c. Dependency
- d. Association

Next page

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A system has three classes, **Student**, **WeekendStudent** and **WeekdayStudent**. **WeekendStudent** class and **WeekdayStudent** are child classes of the **Student** class. Select the correct UML notation for **Student** class.

Select one:

Student	<input checked="" type="radio"/>
# id : int	
+ setID (id : int) : void	
+ getID() : int	

a.

Student	<input checked="" type="radio"/>
- id : int	
+ setID (id : int) : void	
+ getID() : int	

b.

Student	<input checked="" type="radio"/>
# int : id	
- setID (int : id) : void	
- getID() : int	

c.

Student	<input checked="" type="radio"/>
- int : id	
+ setID (int : id) : void	
+ getID() : int	

d.

Next page

Online Exams

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Which of the following statement is TRUE about composition?

Select one:

- a. Compositions are typically implemented via normal member variables, or by pointers where the class manages all the memory allocation and de-allocation.
- b. Exists when a member of a class has a part-of relationship with the class.
- c. The class manages the existence of the members
- d. All of the above

Next

**Question 59**

Not yet answered

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1.00

Flag question

Select the correct class diagram for the following scenario.

An Airline issues Tickets for passengers. A passenger is a Person who travels on Airline. A Person should own a Ticket to travel in the Airline.

Select one:

- a.
- b.
- c.
- d.

Next page



Question 31

Not yet answered

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Flag question

What is the keyword that used before a function in a base class to be overridden in derived class in C++ ?

Select one:

- a. override
- b. virtual
- c. void
- d. none



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The way a relationship is built in Association is,

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through destructors
- d. Through class Names

Consider following statements.

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- c. A, B and C are correct.
- d. B and C are incorrect.



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Question 43

Not yet answered

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1.00

Flag question

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Select one:

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- c. Dependency
- d. Association

Next page

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Flag question

C++ Inheritance relationship is

Select one:

- a. Association
- b. Is-A
- c. Has-A
- d. None

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Question 33

Not yet answered

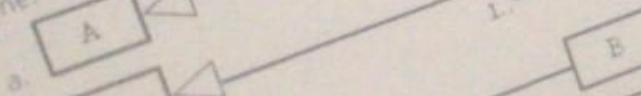
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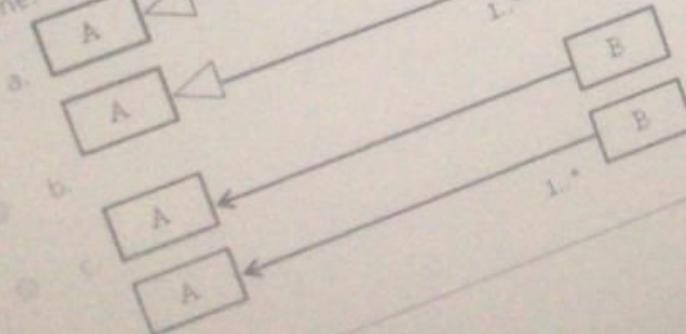
Select the correct diagram to show the relationship of class A and class B, where all properties of class A are **Inherited** to class B.

Select one:

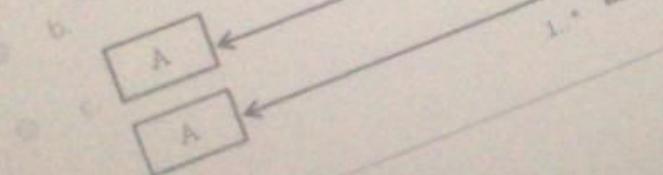
a.



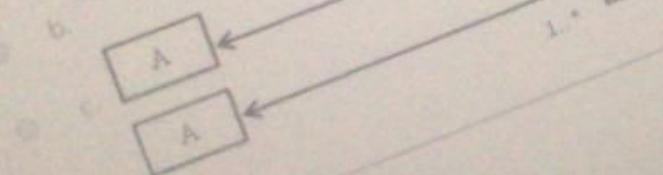
b.



c.



d.





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Select the correct statement about the relationship between super class and sub classes

Select one:

- a. A sub class can only be inherited from one super class
- b. The sub class must not have more attributes than the super class
- c. A super class must not be abstract.
- d. The sub class inherits the properties of the super class.



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Question 63

Not yet answered

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1.00 Flag question

What is the correct C++ statement to define the "Lecturer" class according to the relationship shown below?



Select one:

- a. class Lecturer extends Person {
- b. class Lecturer : public Person {
- c. class Lecturer : Person {
- d. class Person : public Lecturer {

[Next](#)



Question 36

True-answered
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What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

Question 37

Not yet answered

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 Flag question

Consider following statements.

- A) Virtual functions support dynamic polymorphism
- B) Virtual functions must be non-static member function of the class
- C) Constructor Functions cannot be virtual

Select one:

- a. Only A is incorrect.
- b. A and B are correct.
- c. A, B and C are correct.
- d. B and C are incorrect.

What is the keyword that used before a function in a base class to be overridden in derived class in C++ ?

Select one:

- a. override
- b. virtual
- c. void
- d. none

Next page



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Question 37

Not yet answered
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20
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The way a relationship is built in Association is,

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through destructor
- d. Through class Names



Question 38

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Flag question

Pure Virtual function can be written as

Select one:

- a. void virtual show()==0
- b. void virtual show()=0
- c. virtual void show()==0
- d. virtual void show()=0



Question 39

Not yet answered
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Which of the following cannot be overloaded in C++?

Select one:

- a. Increment operator
- b. Constructor
- c. Destructor
- d. New and delete operator



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Aggregation is

Select one:

- a. Expressing a part of a relationship and is stronger form of an association relationship.
- b. Expressing a part of a relationship and is weaker form of an association relationship.
- c. Expressing a "Is-a relationship" and is stronger form of an association relationship.
- d. Expressing a "Is-a relationship" and is weaker form of an association relationship.

Next page

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Flag question

```
private:  
    int id;  
    int age;  
public:  
    void setDetails(int a, int i);  
    int getAge();  
    int getID();  
};
```

Select one:

Patient
- id : int
- age : int
+ setDetails (a : int, i : int) : void
+ getAge() : int
+ getID() : int

a.

Patient
- int : id
- int : age
+ setDetails (int : a, int : i) : void
+ getAge() : int
+ getID() : int

b.

Patient
- id : int
- age : int
+ void : setDetails (a : int, i : int)
+ int : getAge()
+ int : getID()

c.

Patient
- int : id
- int : age
- void : setDetails (a : int, i : int)
+ int : getAge()
+ int : getID()

Question 41
Not yet answered
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Consider the following two classes.

class Person

private:

Dog *dog;

public:

Person();

~Person();

class Dog

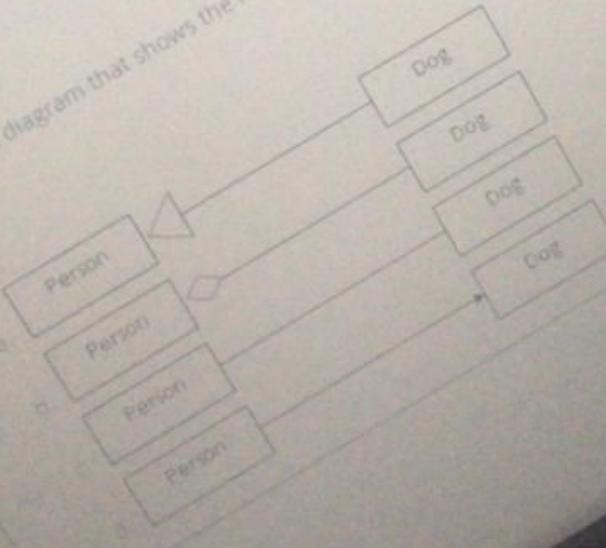
public:

Dog();

~Dog();

What is the UML diagram that shows the relationship between Person and Dog correctly?

Select one:



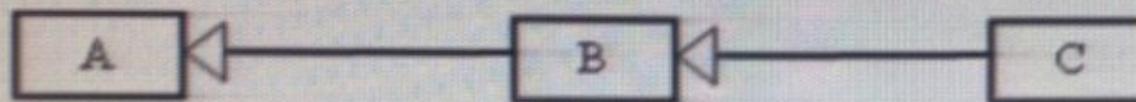
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g question

Select the **incorrect** statement for class A, class B and class C given below.

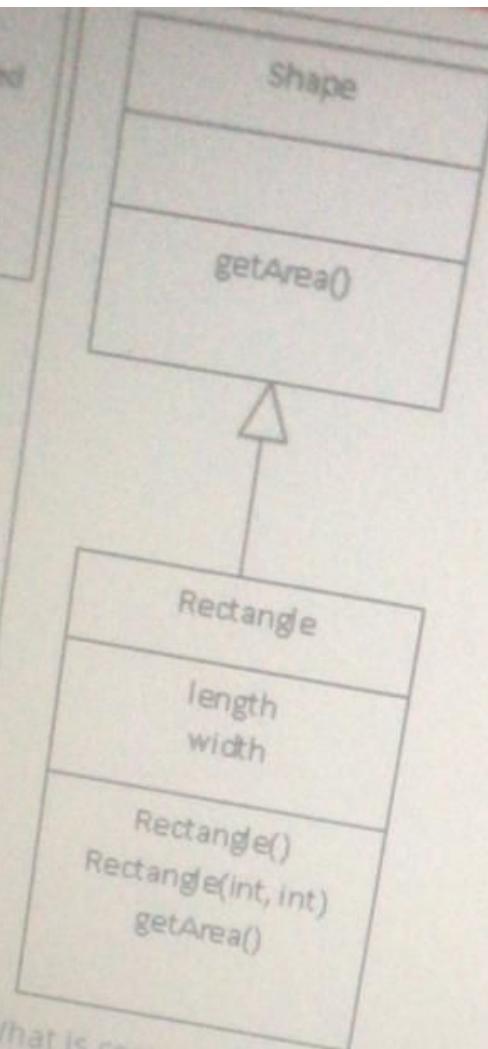


Select one:

- a. Specialization takes place from class B to class A.
- b. Generalization takes place from class C to class B.
- c. Specialization takes place from class A to class C.
- d. Generalization takes place from class B to class A.

Was this answered
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Flag question



What is correct about "Shape" class ?

Select one:

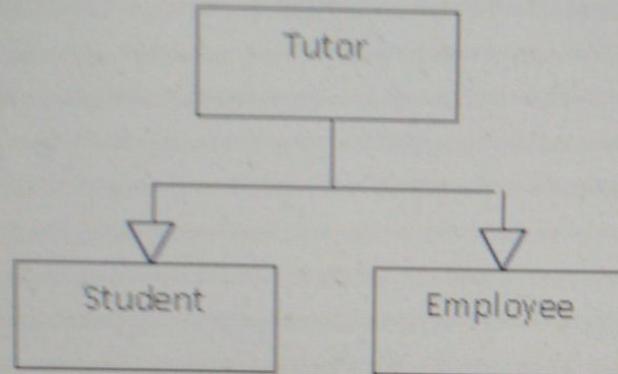
- a. It's an Abstract class
- b. It's a Derived class
- c. It's a Concrete class
- d. It's an Association class

Question 44

Not yet answered

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Flag question



What is correct about the above diagram ?

Select one:

- a. Tutor is the super class of Student and Employee.
- b. Student and Employee classes are derived from Tutor.
- c. Student and Employee classes have common properties.
- d. Tutor is a Student as well as an Employee.

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A library management system has a Member class to handle members of the library and a Book class to handle books in library management system. The most correct relationship for Member class and Book class in library management system is

Select one:

- a. Association
- b. Inheritance
- c. Dependency
- d. Composition

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Which of the following term is best defined by the following statement?
"A structural relationship that specifies that objects of one thing are connected to objects of others"

Select One:

- a. Aggregation
- b. Inheritance
- c. Association
- d. None of the above

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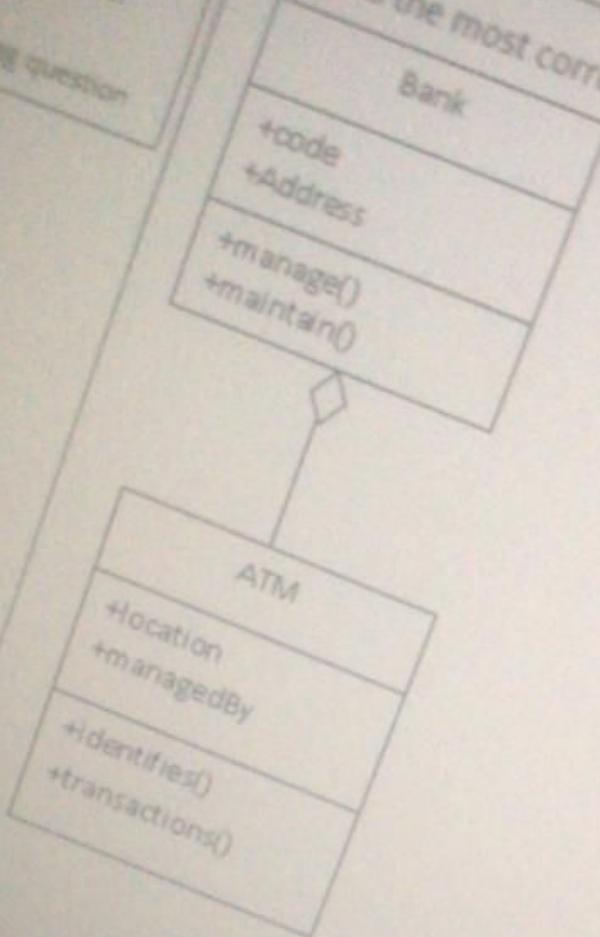
Sri Lanka Institute of Information Technology

Which statement is TRUE about Composition relationship?

Select one:

- a. Objects of the two classes can know about each other, but they do not affect each other's lifetime.
- b. The objects can exist independently.
- c. Relationship where one class is an integral part of the other class.
- d. None of the above

What is the most correct statement regarding



Select one

- a. ATM inherits the properties of the Bank
- b. Bank is a generalization of ATM
- c. ATM is a part of Bank
- d. ATM depends on the Bank to do its transaction

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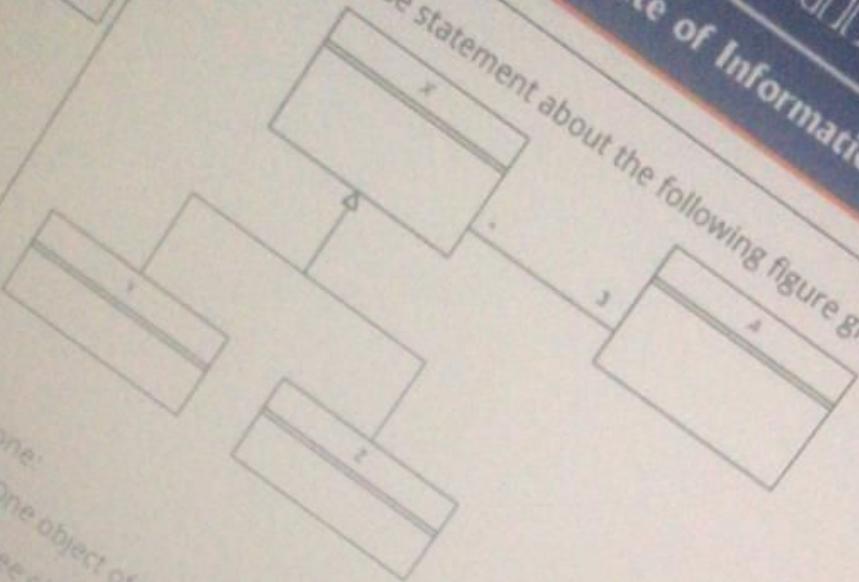
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Question 47

Not yet answered
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¶ Previous question

Select the false statement about the following figure given below.



Select one:

- a. One object of Z must be associated with exactly with 3 objects of A.
- b. Three objects of A are associated with multiple objects of X.
- c. There are no direct instances of Y.
- d. One objects of A must be associated with multiple objects of Y.



Consider the following multiplicity indicators and their meanings.

Indicator	Meaning
A. 0..1	Zero or one
B. n..m	Between n and m
C. 0..*	Zero or none
D. 1..2	One or two
E. 0..1, 4..7	Zero or one, or between 4 and 7 inclusive

Which of the above are correct?

Select one:

- a. A and C
- b. A, B and C
- c. A, B, C and D
- d. All of the above

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64 65



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Question 50

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Flag question

Consider the following multiplicity indicators and their meanings.

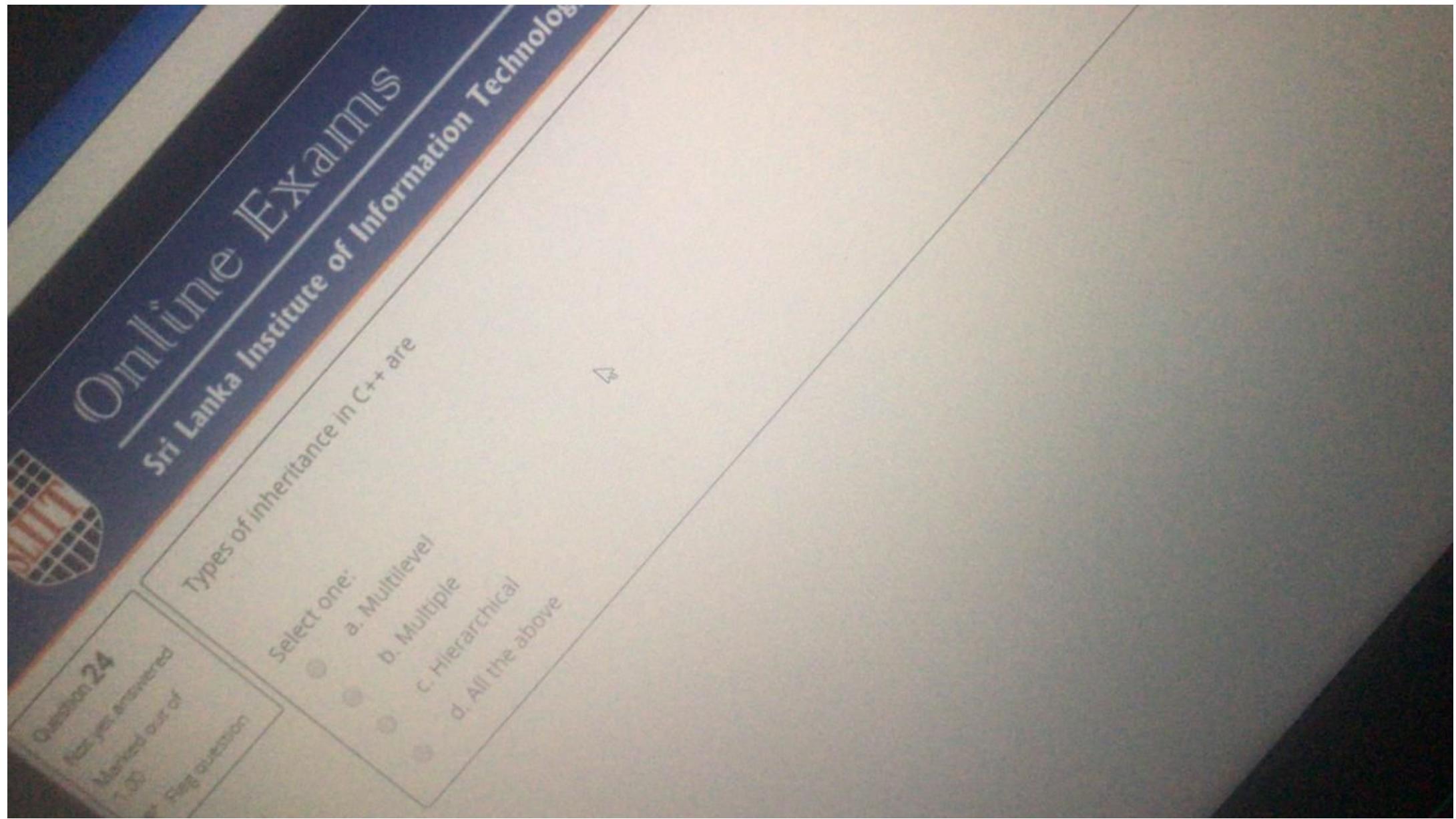
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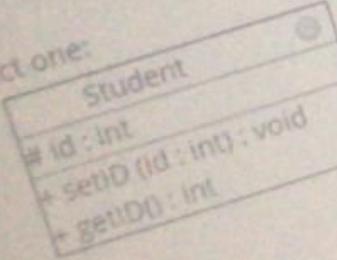


Online Exams

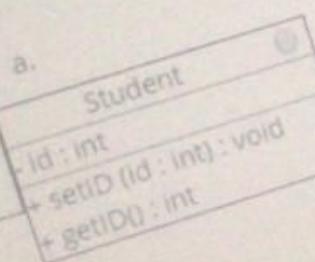
Sri Lanka Institute of Information Technology

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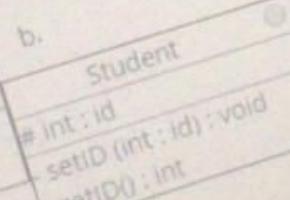
Select one:



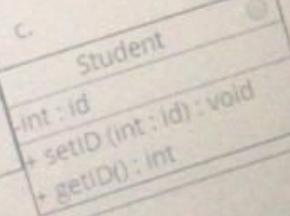
a.



b.



c.



d.

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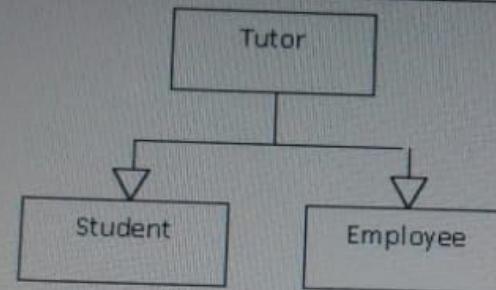
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Question 52

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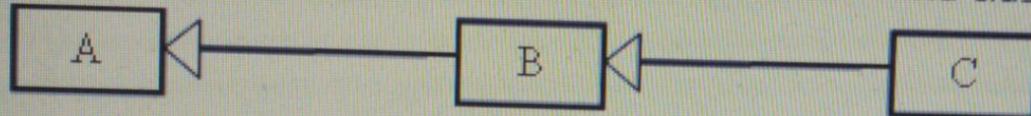
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+ setID (id : int) : void	
+ getID() : int	

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b.

Student	<input checked="" type="radio"/>
# int : id	
- setID (int : id) : void	
- getID() : int	

c.

Student	<input checked="" type="radio"/>
- int : id	
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Select one:

- a.
- b.
- c.
- d.

Next page



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- b. virtual
- c. void
- d. none



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Flag question

C++ Inheritance relationship is

Select one:

- a. Association
- b. Is-A
- c. Has-A
- d. None



Online Exams

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Question 33
Not yet answered
Marked out of 1.00
Flag question

Select the correct diagram to show the relationship of class A and class B, where all properties of class A are **Inherited** to class B.

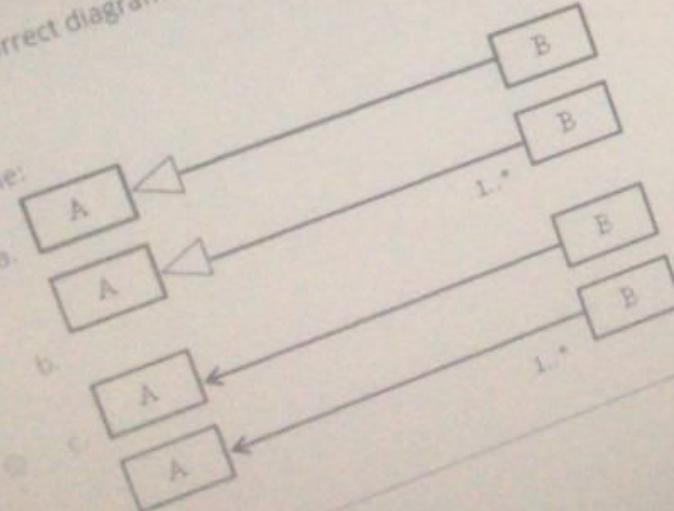
Select one:

a.

b.

c.

d.





Online Exams

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Select the correct statement about the relationship between super class and sub classes

Select one:

- a. A sub class can only be inherited from one super class
- b. The sub class must not have more attributes than the super class
- c. A super class must not be abstract.
- d. The sub class inherits the properties of the super class.



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Online Exams

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Question 63

Not yet answered

Marked out of
1.00 Flag question

What is the correct C++ statement to define the "Lecturer" class according to the relationship shown below?



Select one:

- a. class Lecturer extends Person {
- b. class Lecturer : public Person {
- c. class Lecturer : Person {
- d. class Person : public Lecturer {

[Next](#)



Question 36

Not yet answered

Mark our answer

Question

Online Exams

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What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

Question 37

Not yet answered

Marked out of
1.00

 Flag question

Consider following statements.

- A) Virtual functions support dynamic polymorphism
- B) Virtual functions must be non-static member function of the class
- C) Constructor Functions cannot be virtual

Select one:

- a. Only A is incorrect.
- b. A and B are correct.
- c. A, B and C are correct.
- d. B and C are incorrect.

What is the keyword that used before a function in a base class to be overridden in derived class in C++ ?

Select one:

- a. override
- b. virtual
- c. void
- d. none

Next page



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Question 37

Not yet answered
Marked out of
20
Flag question

The way a relationship is built in Association is,

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through destructor
- d. Through class Names



Question 38

yet answered

Marked out of

Flag question

Pure Virtual function can be written as

Select one:

- a. void virtual show()==0
- b. void virtual show()=0
- c. virtual void show()==0
- d. virtual void show()=0



Question 39

Not yet answered
Marked out of
1.00

Flag question

Online Exams

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Which of the following cannot be overloaded in C++?

Select one:

- a. Increment operator
- b. Constructor
- c. Destructor
- d. New and delete operator



Online Exams

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estion

Aggregation is

Select one:

- a. Expressing a part of a relationship and is stronger form of an association relationship.
- b. Expressing a part of a relationship and is weaker form of an association relationship.
- c. Expressing a "Is-a relationship" and is stronger form of an association relationship.
- d. Expressing a "Is-a relationship" and is weaker form of an association relationship.

Next page

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Flag question

```
private:  
    int id;  
    int age;  
public:  
    void setDetails(int a, int i);  
    int getAge();  
    int getID();  
};
```

Select one:

Patient
- id : int
- age : int
+ setDetails (a : int, i : int) : void
+ getAge() : int
+ getID() : int

Patient
- int : id
- int : age
+ setDetails (int : a, int : i) : void
+ getAge() : int
+ getID() : int

Patient
- id : int
- age : int
+ void : setDetails (a : int, i : int)
+ int : getAge()
+ int : getID()

Patient
- int : id
- int : age
- void : setDetails (a : int, i : int)
+ int : getAge()
+ int : getID()

Question 41
Not yet answered
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1.00
Flag question

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Consider the following two classes.

class Person

private:

Dog *dog;

public:

Person();

~Person();

class Dog

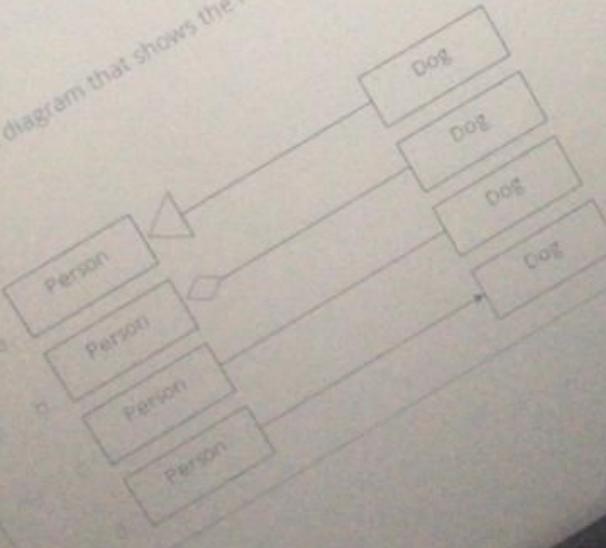
public:

Dog();

~Dog();

What is the UML diagram that shows the relationship between Person and Dog correctly?

Select one:



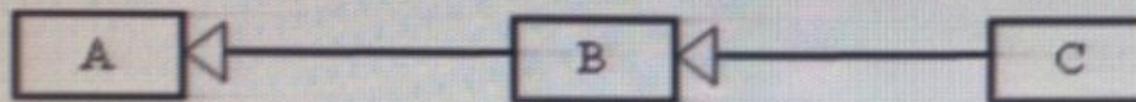
on 27

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g question

Select the **incorrect** statement for class A, class B and class C given below.

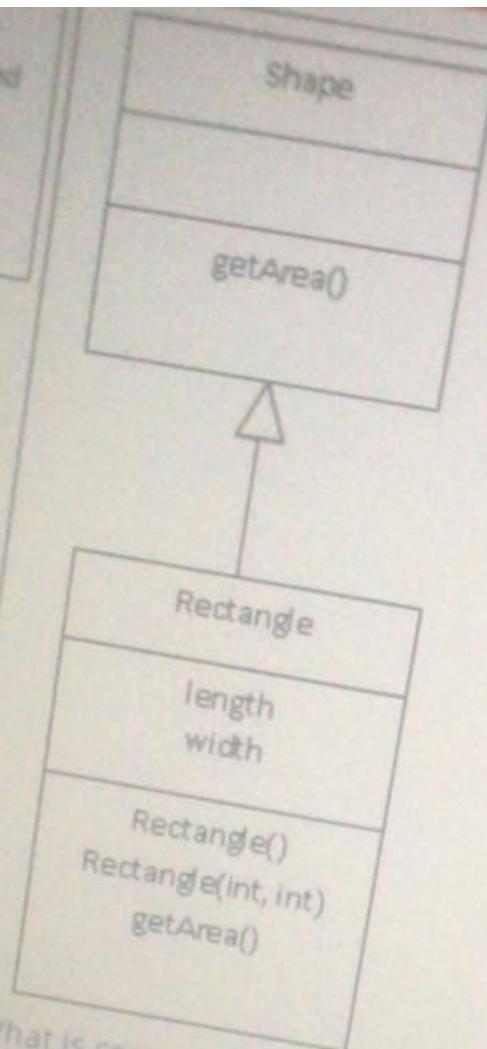


Select one:

- a. Specialization takes place from class B to class A.
- b. Generalization takes place from class C to class B.
- c. Specialization takes place from class A to class C.
- d. Generalization takes place from class B to class A.

Was this answered
Marked out of
1.00

Flag question



What is correct about "Shape" class ?

Select one:

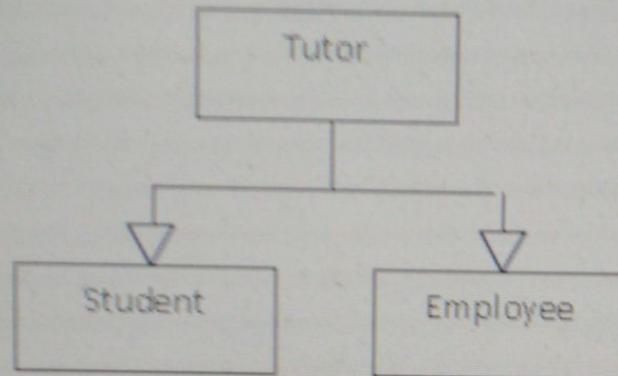
- a. It's an Abstract class
- b. It's a Derived class
- c. It's a Concrete class
- d. It's an Association class

Question 44

Not yet answered

Marked out of
1.00

Flag question



What is correct about the above diagram ?

Select one:

- a. Tutor is the super class of Student and Employee.
- b. Student and Employee classes are derived from Tutor.
- c. Student and Employee classes have common properties.
- d. Tutor is a Student as well as an Employee.

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A library management system has a Member class to handle members of the library and a Book class to handle books in library management system. The most correct relationship for Member class and Book class in library management system is

Select one:

- a. Association
- b. Inheritance
- c. Dependency
- d. Composition

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Which of the following term is best defined by the following statement?
"A structural relationship that specifies that objects of one thing are connected to objects of others"

Select One:

- a. Aggregation
- b. Inheritance
- c. Association
- d. None of the above

Online Exams

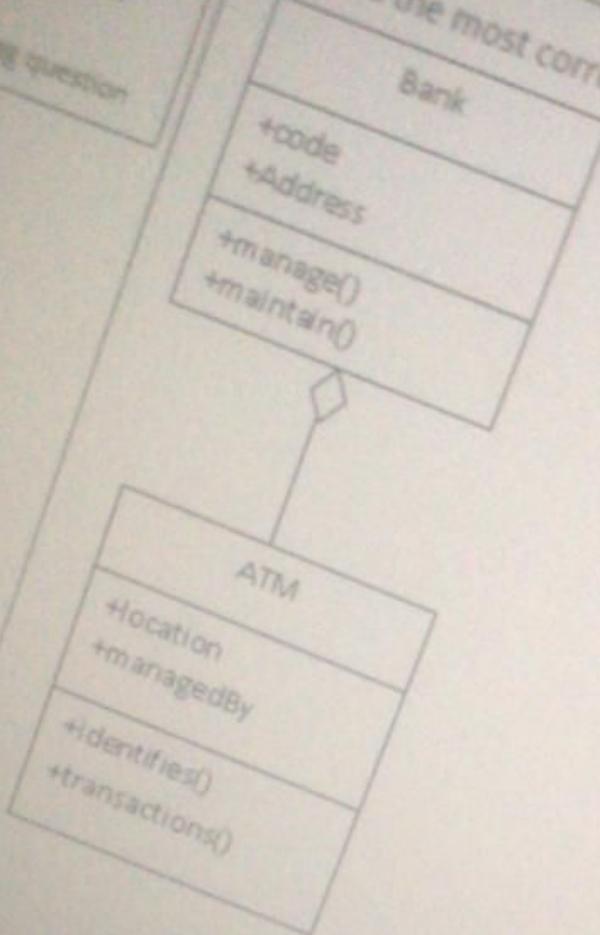
Sri Lanka Institute of Information Technology

Which statement is TRUE about Composition relationship?

Select one:

- a. Objects of the two classes can know about each other, but they do not affect each other's lifetime.
- b. The objects can exist independently.
- c. Relationship where one class is an integral part of the other class.
- d. None of the above

What is the most correct statement regarding



Select one

- a. ATM inherits the properties of the Bank
- b. Bank is a generalization of ATM
- c. ATM is a part of Bank
- d. ATM depends on the Bank to do its transaction

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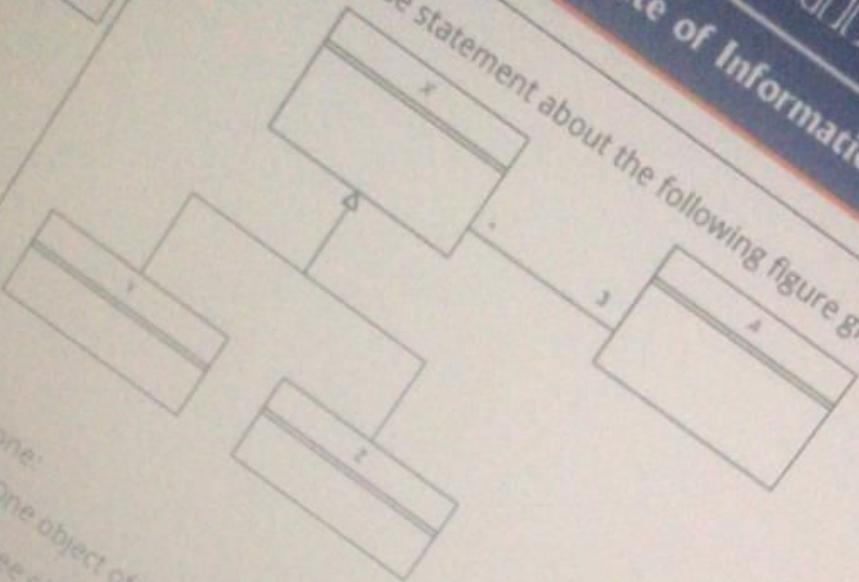
Sri Lanka Institute of Information Tech

Question 47

Not yet answered
Marked out of
1.00

¶ Previous question

Select the false statement about the following figure given below.



Select one:

- a. One object of Z must be associated with exactly with 3 objects of A.
- b. Three objects of A are associated with multiple objects of X.
- c. There are no direct instances of Y.
- d. One objects of A must be associated with multiple objects of Y.



Consider the following multiplicity indicators and their meanings.

Indicator	Meaning
A. 0..1	Zero or one
B. n..m	Between n and m
C. 0..*	Zero or none
D. 1..2	One or two
E. 0..1, 4..7	Zero or one, or between 4 and 7 inclusive

Which of the above are correct?

Select one:

- a. A and C
- b. A, B and C
- c. A, B, C and D
- d. All of the above

Next page

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- Types of inheritance in C++ are
- Select one:
- a. Multilevel
 - b. Multiple
 - c. Hierarchical
 - d. All the above

Question 24



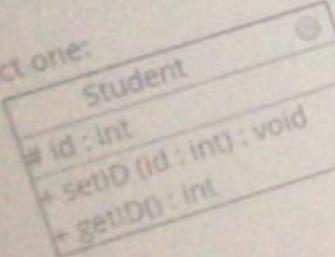
Ques. No. 24
Which of the following is not a type of inheritance?
A) Multilevel
B) Multiple
C) Hierarchical
D) All the above

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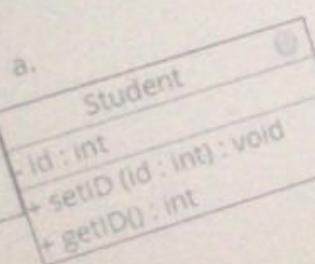
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The system has three classes, Student, WeekendStudent and WeekdayStudent. WeekendStudent and WeekdayStudent are child classes of the Student class. Select the correct UML notation for Student class.

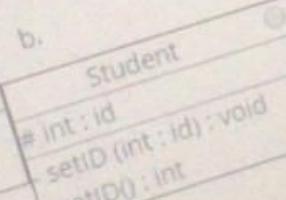
Select one:



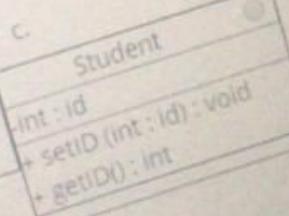
a.



b.



c.



d.

[Next Page](#)



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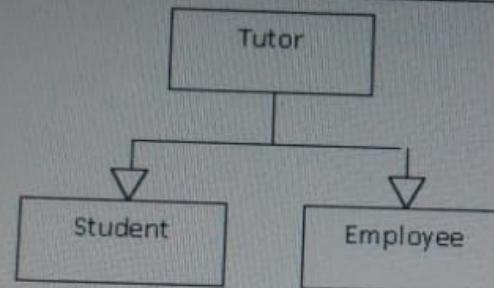
Sri Lanka Institute of Information Technology

Question 52

Not yet answered

Marked out of
1.00

Flag question



What is correct about the above diagram ?

Select one:

- a. Tutor is the super class of Student and Employee.
- b. Student and Employee classes are derived from Tutor.
- c. Student and Employee classes have common properties.
- d. Tutor is a Student as well as an Employee.





Question 25

Not yet answered

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Flag question

In C++ , abstract class can have

Select one:

- a. Pure virtual function
- b. Non-virtual function
- c. Only pure virtual function
- d. Both pure virtual and non-virtual function





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Question 26

Not yet answered

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1.00

Flag question

Select the most correct diagram to show the relationship of **Student** class and **EnrollmentKey** class.

Select one:

- a. A UML class diagram showing a dashed line with an arrowhead pointing from the "Student" class to the "EnrollmentKey" class.
- b. A UML class diagram showing a dashed line with an arrowhead pointing from the "EnrollmentKey" class to the "Student" class.
- c. A UML class diagram showing a solid line connecting the "Student" class and the "EnrollmentKey" class, ending in a diamond junction symbol.
- d. A UML class diagram showing a solid line connecting the "EnrollmentKey" class and the "Student" class, ending in a diamond junction symbol. A hand cursor icon is placed over the line near the junction.



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Pure Virtual function can be written as

Select one:

- a. void virtual show()=0
- b. void virtual show()==0
- c. virtual void show()=0
- d. virtual void show()==0



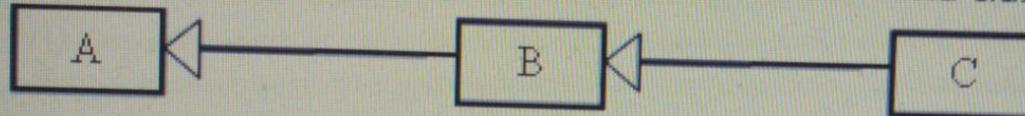
Question 27

Not yet answered

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1.00

Flag question

Select the **incorrect** statement for class A, class B and class C given below.



Select one:

- a. Class B inherits the properties of class C.
- b. Class C inherits the properties of class B.
- c. Class B inherits properties of class A.
- d. Class C inherits the properties of class A.



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Consider following statements.

- A) Virtual functions support dynamic polymorphism
- B) Virtual functions must be non-static member function of the class
- C) Constructor Functions cannot be virtual

Select one:

- a. Only A is incorrect
- b. A and B are correct.
- c. A, B and C are correct.
- d. B and C are incorrect.





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A system is designed to assign topics for assignment groups. Each group consist of 4 or 5 group members. Developers of the system have identified Topic class, Group class and GroupMember class as the classes in this system. Select the most correct relationship for Group class and GroupMember class.

Select one:

- a. Composition
- b. Inheritance
- c. Dependency
- d. Association

Next page

ation 28

yet answered

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ing question

A system has three classes, **Student**, **WeekendStudent** and **WeekdayStudent**. **WeekendStudent** class and **WeekdayStudent** are child classes of the **Student** class. Select the correct UML notation for **Student** class.

Select one:

Student	<input checked="" type="radio"/>
# id : int	
+ setID (id : int) : void	
+ getID() : int	

a.

Student	<input checked="" type="radio"/>
- id : int	
+ setID (id : int) : void	
+ getID() : int	

b.

Student	<input checked="" type="radio"/>
# int : id	
- setID (int : id) : void	
- getID() : int	

c.

Student	<input checked="" type="radio"/>
- int : id	
+ setID (int : id) : void	
+ getID() : int	

d.

Next page

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Which of the following statement is TRUE about composition?

Select one:

- a. Compositions are typically implemented via normal member variables, or by pointers where the class manages all the memory allocation and de-allocation.
- b. Exists when a member of a class has a part-of relationship with the class.
- c. The class manages the existence of the members
- d. All of the above

Next >

**Question 59**

Not yet answered

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Flag question

Select the correct class diagram for the following scenario.

An Airline issues Tickets for passengers. A passenger is a Person who travels on Airline. A Person should own a Ticket to travel in the Airline.

Select one:

- a.
- b.
- c.
- d.

Next page



Question 31

Not yet answered

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Flag question

What is the keyword that used before a function in a base class to be overridden in derived class in C++ ?

Select one:

- a. override
- b. virtual
- c. void
- d. none



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ag question

The way a relationship is built in Association is,

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through destructors
- d. Through class Names

Consider following statements.

- A) Virtual functions support dynamic polymorphism
- B) Virtual functions must be non-static member function of the class
- C) Constructor Functions cannot be virtual

Select one:

- a. Only A is incorrect.
- b. A and B are correct.
- c. A, B and C are correct.
- d. B and C are incorrect.



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Question 43

Not yet answered

Marked out of
1.00

Flag question

A system is designed to assign topics for assignment groups. Each group consist of 4 or 5 group members. Developers of the system have identified Topic class, Group class and GroupMember class as the classes in this system. Select the most correct relationship for Group class and GroupMember class.

Select one:

- a. Composition
- b. Inheritance
- c. Dependency
- d. Association

Next page

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Q2
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marked out of
Flag question

C++ Inheritance relationship is

Select one:

- a. Association
- b. Is-A
- c. Has-A
- d. None



Online Exams

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Question 33
Not yet answered
Marked out of 1.00
Flag question

Select the correct diagram to show the relationship of class A and class B, where all properties of class A are **Inherited** to class B.

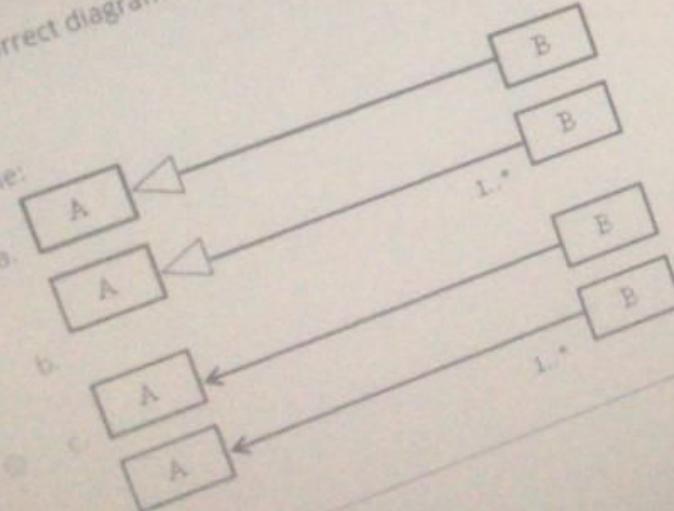
Select one:

a.

b.

c.

d.





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Select the correct statement about the relationship between super class and sub classes

Select one:

- a. A sub class can only be inherited from one super class
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- c. A super class must not be abstract.
- d. The sub class inherits the properties of the super class.



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Question 63

Not yet answered

Marked out of
1.00 Flag question

What is the correct C++ statement to define the "Lecturer" class according to the relationship shown below?



Select one:

- a. class Lecturer extends Person {
- b. class Lecturer : public Person {
- c. class Lecturer : Person {
- d. class Person : public Lecturer {

[Next](#)



Question 36

Not yet answered

Mark our answer

Question

Online Exams

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What is the main reason to have relationships between classes?

Select one:

- a. To use the functionality of one class into other
- b. To enhance the communication between classes
- c. To increase code re-usability
- d. All of the mentioned

Question 37

Not yet answered

Marked out of
1.00

 Flag question

Consider following statements.

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- C) Constructor Functions cannot be virtual

Select one:

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What is the keyword that used before a function in a base class to be overridden in derived class in C++ ?

Select one:

- a. override
- b. virtual
- c. void
- d. none

Next page



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The way a relationship is built in Association is,

Select one:

- a. Through constructor
- b. Through the objects of classes
- c. Through destructor
- d. Through class Names

Question 37

Not yet answered
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20
Flag question



Question 38

yet answered

Marked out of

Flag question

Pure Virtual function can be written as

Select one:

- a. void virtual show()==0
- b. void virtual show()=0
- c. virtual void show()==0
- d. virtual void show()=0



Question 39

Not yet answered
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Flag question

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Which of the following cannot be overloaded in C++?

Select one:

- a. Increment operator
- b. Constructor
- c. Destructor
- d. New and delete operator



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Aggregation is

Select one:

- a. Expressing a part of a relationship and is stronger form of an association relationship.
- b. Expressing a part of a relationship and is weaker form of an association relationship.
- c. Expressing a "Is-a relationship" and is stronger form of an association relationship.
- d. Expressing a "Is-a relationship" and is weaker form of an association relationship.

Next page

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Flag question

```
private:  
    int id;  
    int age;  
public:  
    void setDetails(int a, int i);  
    int getAge();  
    int getID();  
};
```

Select one:

Patient
- id : int
- age : int
+ setDetails (a : int, i : int) : void
+ getAge() : int
+ getID() : int

a.

Patient
- int : id
- int : age
+ setDetails (int : a, int : i) : void
+ getAge() : int
+ getID() : int

b.

Patient
- id : int
- age : int
+ void : setDetails (a : int, i : int)
+ int : getAge()
+ int : getID()

c.

Patient
- int : id
- int : age
- void : setDetails (a : int, i : int)
+ int : getAge()
+ int : getID()

Question 41
Not yet answered
Marked out of
1.00
Flag question

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Consider the following two classes.

class Person

private:

Dog *dog;

public:

Person();

~Person();

class Dog

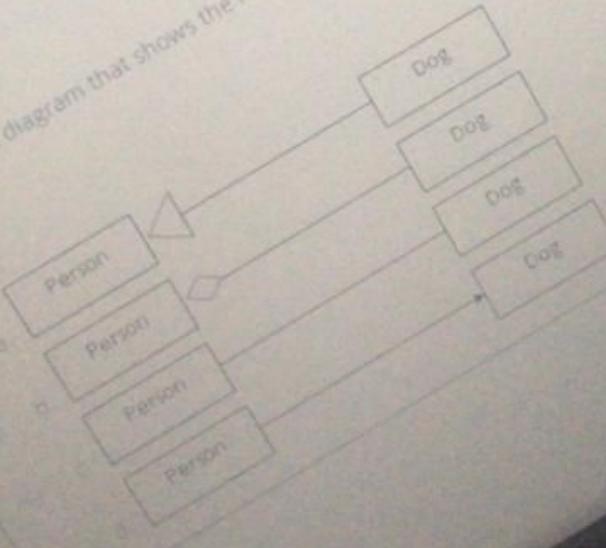
public:

Dog();

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What is the UML diagram that shows the relationship between Person and Dog correctly?

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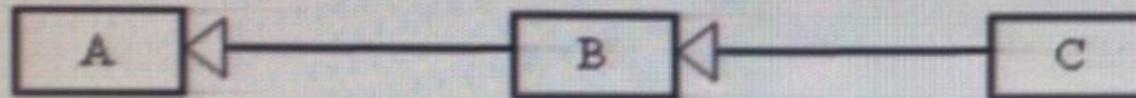
on 27

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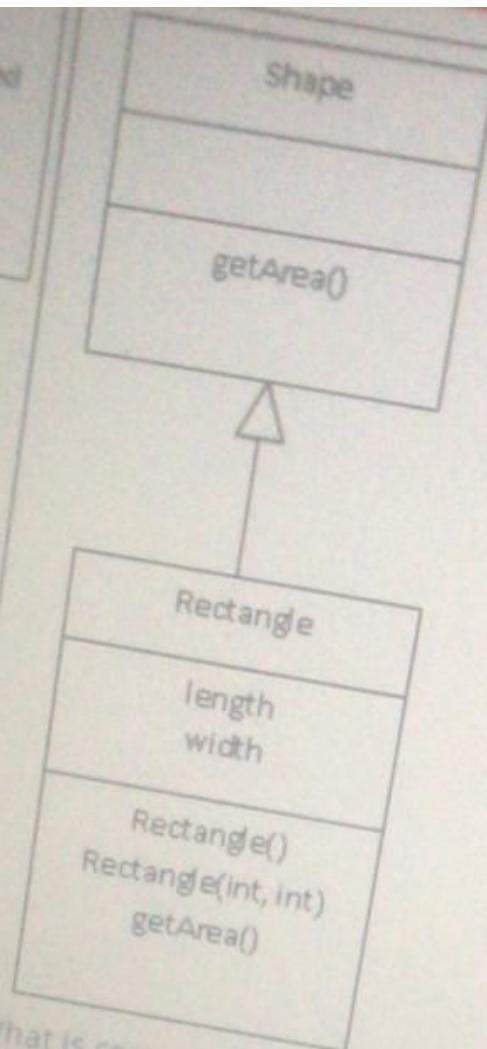
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- a. Specialization takes place from class B to class A.
- b. Generalization takes place from class C to class B.
- c. Specialization takes place from class A to class C.
- d. Generalization takes place from class B to class A.

Was this answered
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1.00

Flag question



What is correct about "Shape" class ?

Select one:

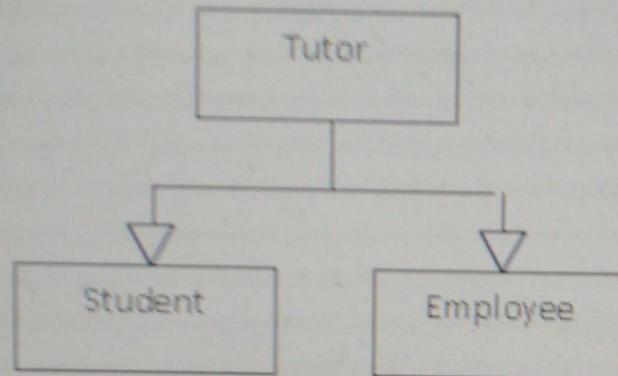
- a. It's an Abstract class
- b. It's a Derived class
- c. It's a Concrete class
- d. It's an Association class

Question 44

Not yet answered

Marked out of
1.00

Flag question



What is correct about the above diagram ?

Select one:

- a. Tutor is the super class of Student and Employee.
- b. Student and Employee classes are derived from Tutor.
- c. Student and Employee classes have common properties.
- d. Tutor is a Student as well as an Employee.

Online Exams

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A library management system has a Member class to handle members of the library and a Book class to handle books in library management system. The most correct relationship for Member class and Book class in library management system is

Select one:

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- b. Inheritance
- c. Dependency
- d. Composition

Online Exams

Sri Lanka Institute of Information Technology

Which of the following term is best defined by the following statement?
"A structural relationship that specifies that objects of one thing are connected to objects of others"

Select One:

- a. Aggregation
- b. Inheritance
- c. Association
- d. None of the above

Online Exams

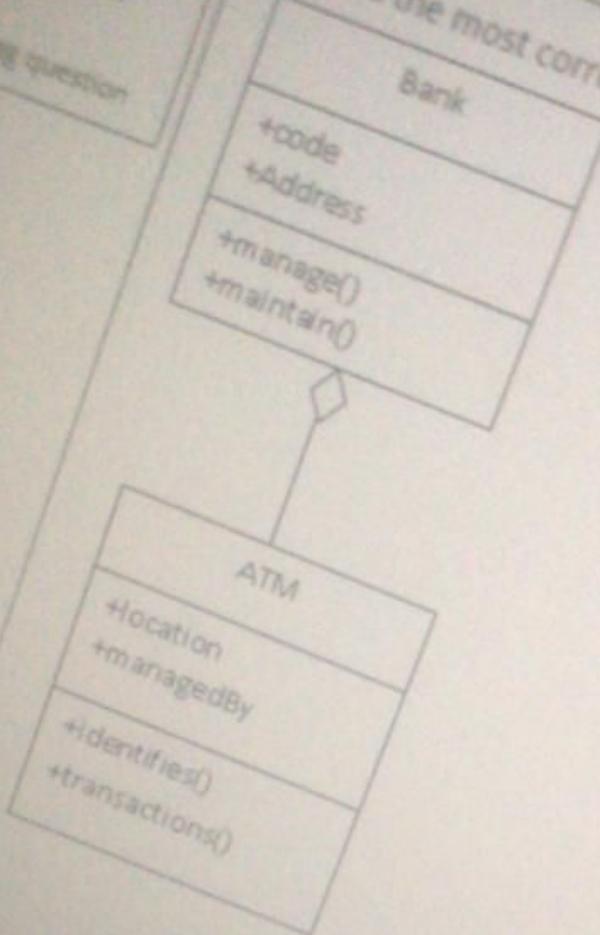
Sri Lanka Institute of Information Technology

Which statement is TRUE about Composition relationship?

Select one:

- A. Objects of the two classes can know about each other, but they do not affect each other's lifetime.
- B. The objects can exist independently.
- C. Relationship where one class is an integral part of the other class.
- D. None of the above

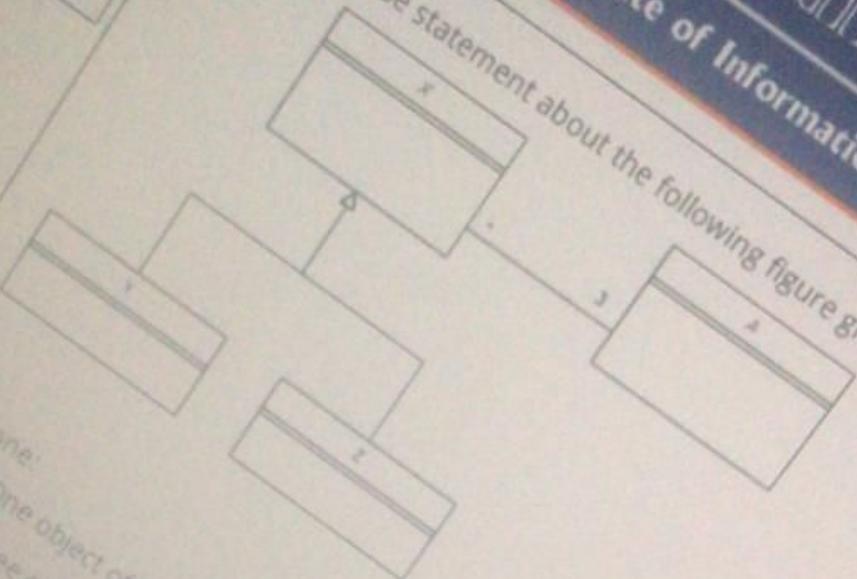
What is the most correct statement regarding



Select one

- a. ATM inherits the properties of the Bank
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- c. ATM is a part of Bank
- d. ATM depends on the Bank to do its transaction

Select the false statement about the following figure given below.



Select one:

- a. One object of Z must be associated with exactly with 3 objects of A.
- b. Three objects of A are associated with multiple objects of X.
- c. There are no direct instances of Y.
- d. One objects of A must be associated with multiple objects of Y.

Question 47
Not yet answered
Marked out of
1.00
P Mark question



Consider the following multiplicity indicators and their meanings.

Indicator	Meaning
A. 0..1	Zero or one
B. n..m	Between n and m
C. 0..*	Zero or none
D. 1..2	One or two
E. 0..1, 4..7	Zero or one, or between 4 and 7 inclusive

Which of the above are correct?

Select one:

- a. A and C
- b. A, B and C
- c. A, B, C and D
- d. All of the above

Next page

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Question 50

Not yet answered

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1.00

Flag question

Consider the following multiplicity indicators and their meanings.

Indicator	Meaning
A. 0..1	Zero or one
B. n..m	Between n and m
C. 0..*	Zero or none
D. 1-2	One or two
E. 0..1, 4..7	Zero or one, or between 4 and 7 inclusive

Which of the above are correct?



Select one:

- a. A and C
- b. A, B and C
- c. A, B, C and D
- d. All of the above