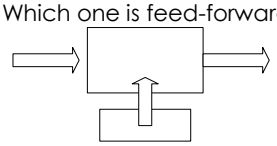
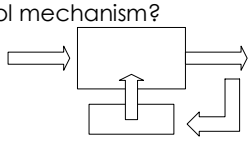
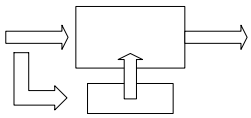
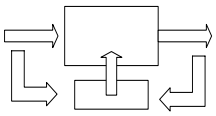
TSP	: BAZL	Date	: 30-Jul-17
Module	: III	Duration	: 10 min
Batch	ESAD-CS/BAZL-M/32/01	Total Marks	: 10

Trainee Name : _____ Trainee ID : _____ Marks Rewarded: ___

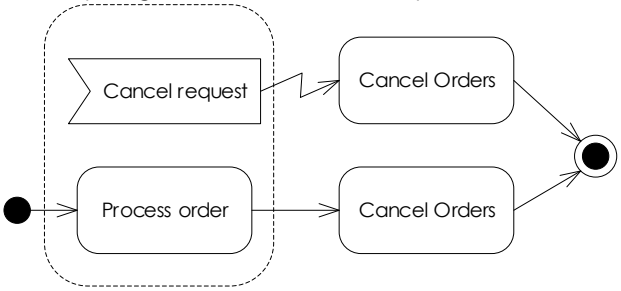
Q1. Which one is feed-forward control mechanism?

A.  B.  C.  D. 

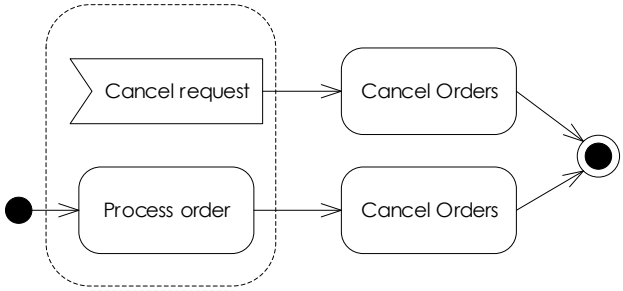
Answer: C [B: Feedback control]

Q2. The "Process Order" action will execute until completion, when it will pass control to the "Close Order" action, unless a "Cancel Request" interrupt is received, which will pass control to the "Cancel Order" action.
Which activity diagram models this correctly

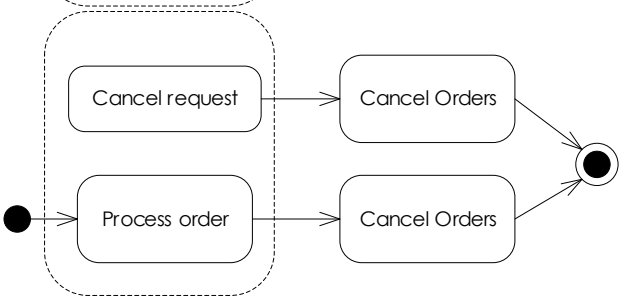
A.



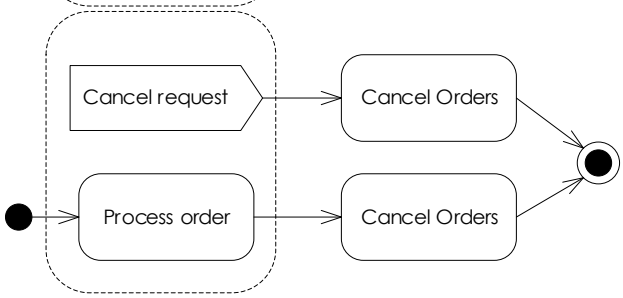
B



C.



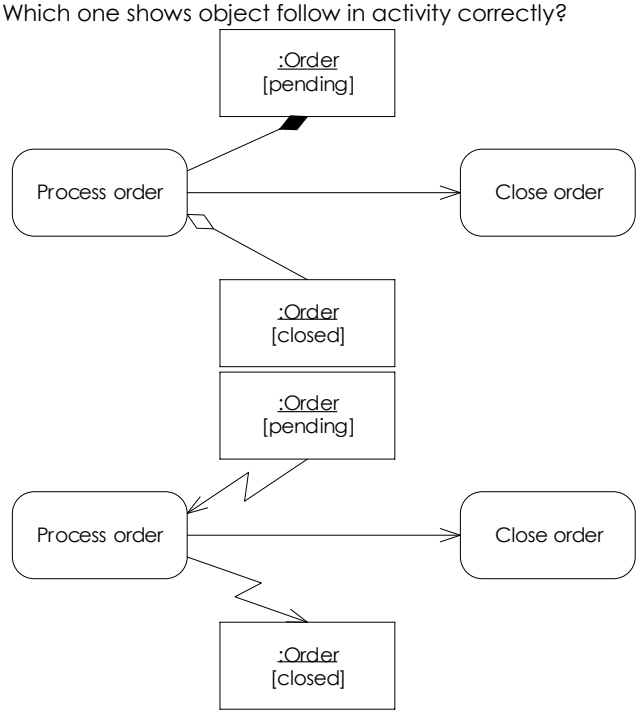
D.



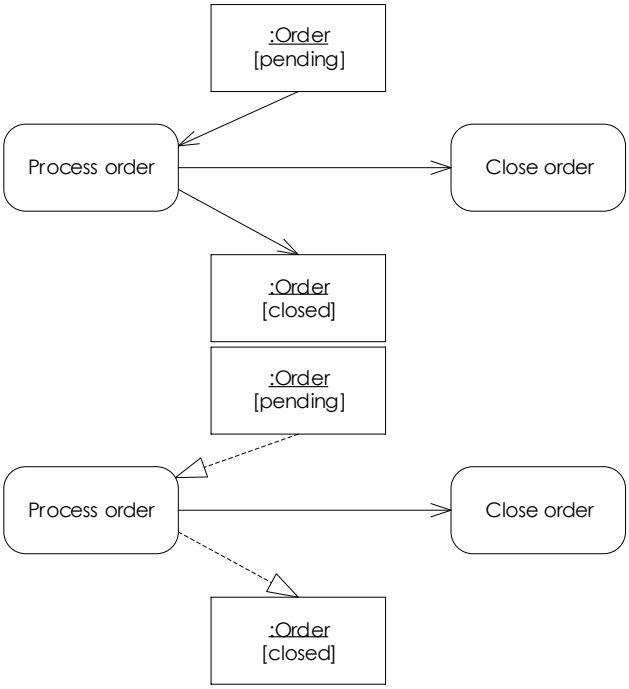
Answer: A

Q3. Which one shows object follow in activity correctly?

A.



B



C.

D.

Answer: B

Q4. Which one is flow final symbol in activity diagram?

A.  B.  C.  D. 

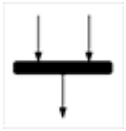
Answer: D

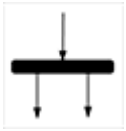
Q5. Which one is used for option/loop?

A.  B.  C.  D. 

Answer: C

Q6. Which one is used for synchronization?

A. 

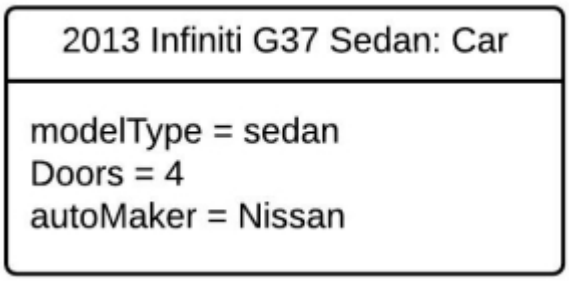
B. 

C. 

D. 

Answer: A

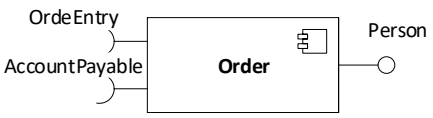
Q7. What type of diagram is the following?

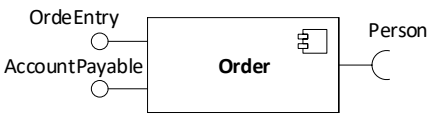


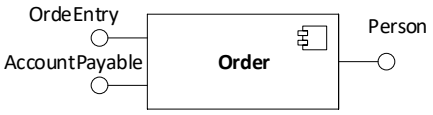
A. Class B. object C. Sequence D. activity

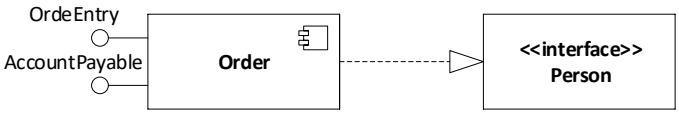
Answer: B

Q8. Which of the following correctly models the component below?

A. 

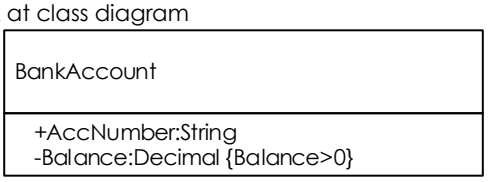
B 

C. 

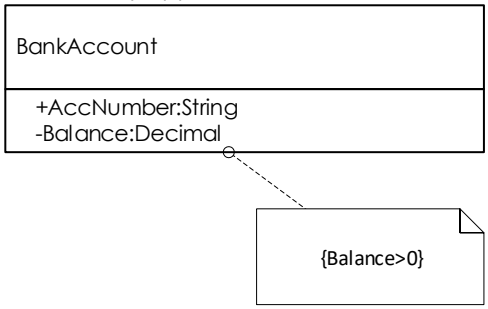
D. 

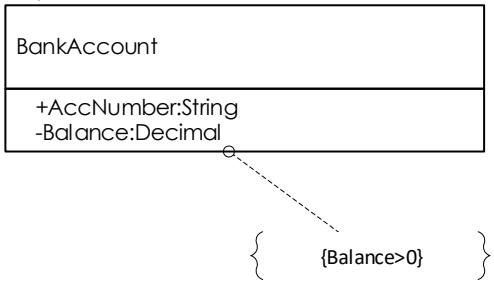
Answer: B

Q9. Look at class diagram

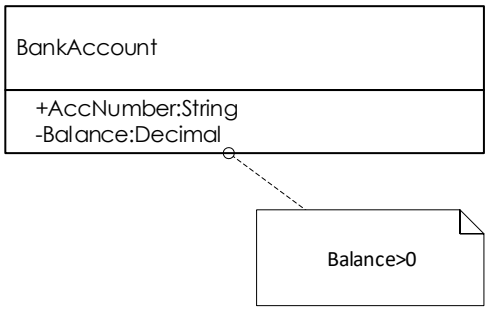


Which is correctly applies the constraint on the Balance attribute properly?

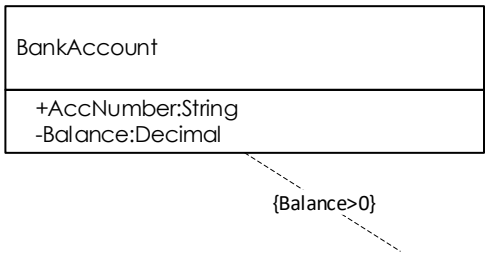
A. 

B 

C.



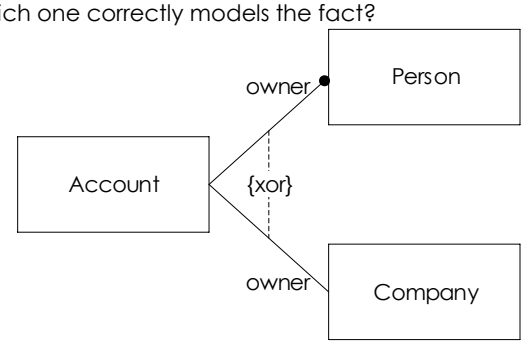
D.



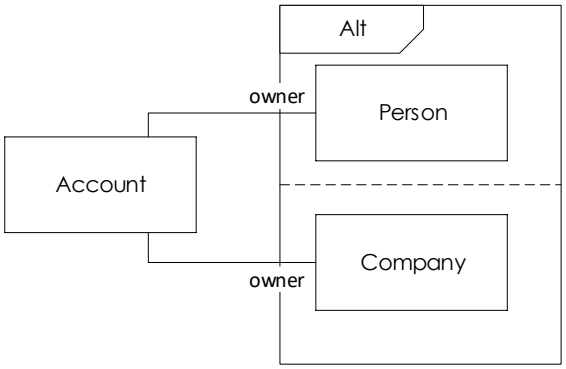
Answer: A [Some tool shows as B]

Q10. An Account can be owned by a Person or Company.
Which one correctly models the fact?

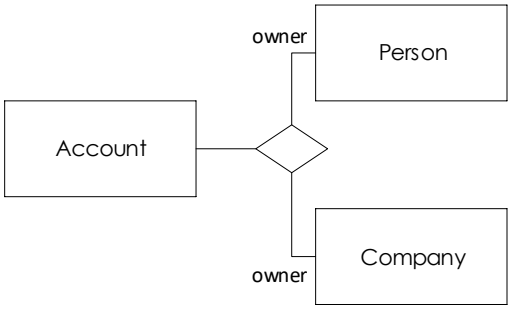
A.



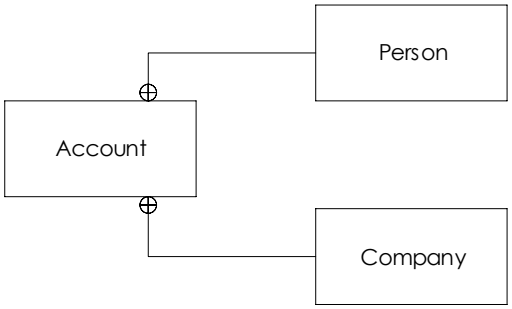
B



C.

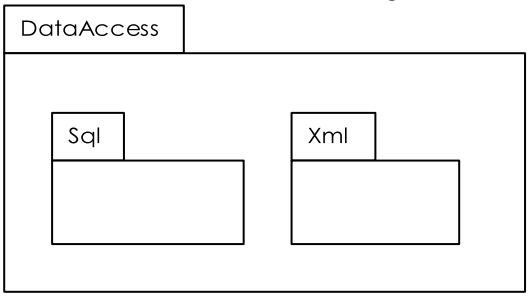


D.

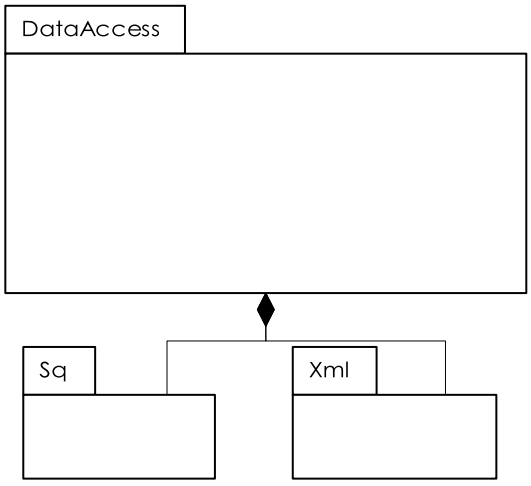


Answer: A

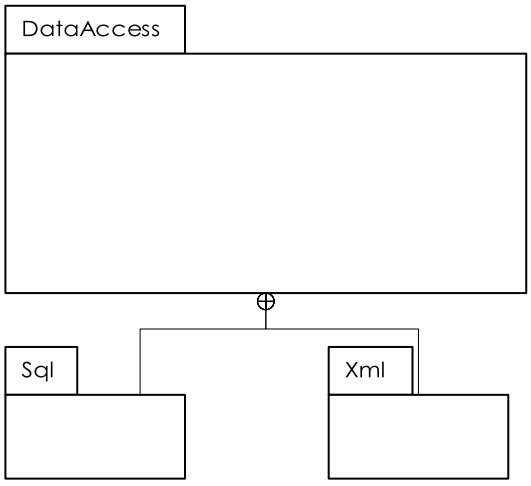
Q11. Which one is alternative to the following?



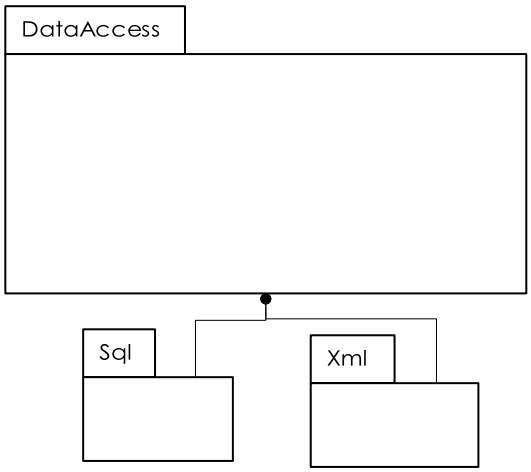
A.



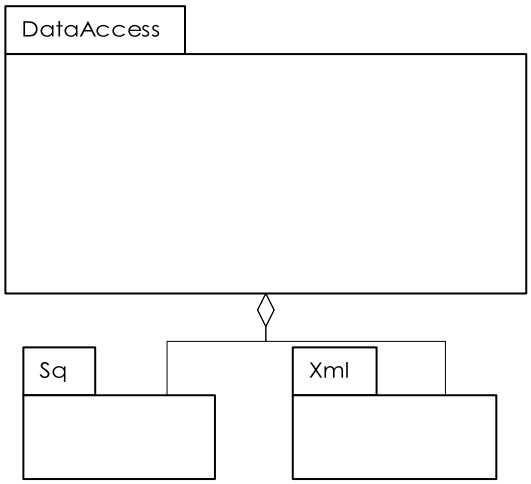
B



C.

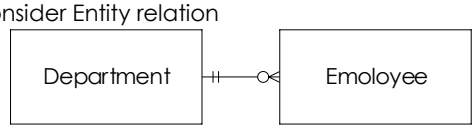


D.



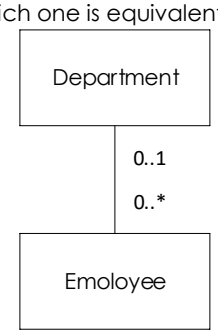
Answer: B

Q12. Consider Entity relation



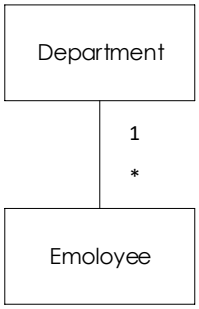
Which one is equivalent class association?

A.

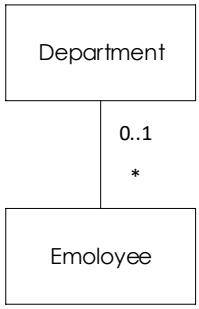


B.

C.



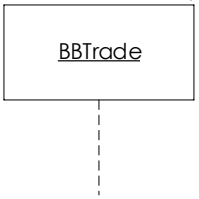
D.



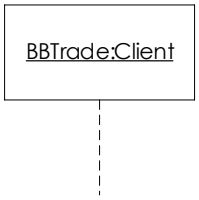
Answer: C

Q13. Which one anonymous instance of Client lifeline?

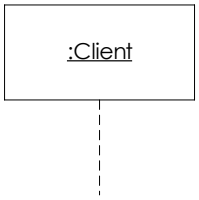
A.



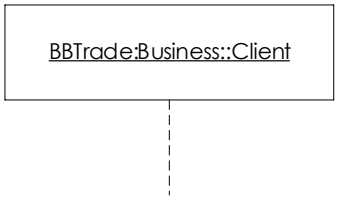
B.



C.



D.

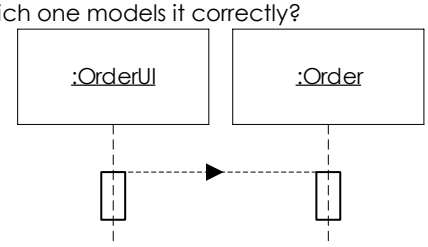


Answer: C

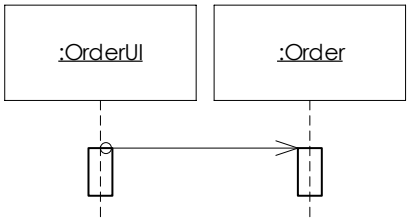
Q14. OrderUI instance creates a new Order instance?

Which one models it correctly?

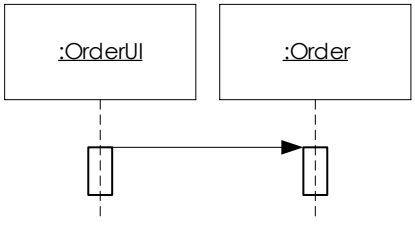
A.



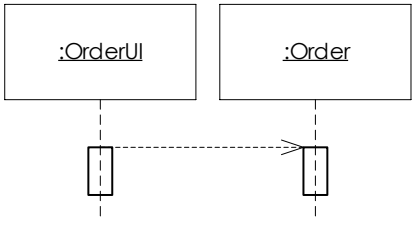
B



C.



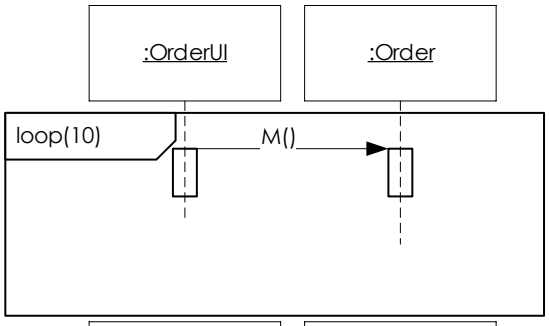
D.



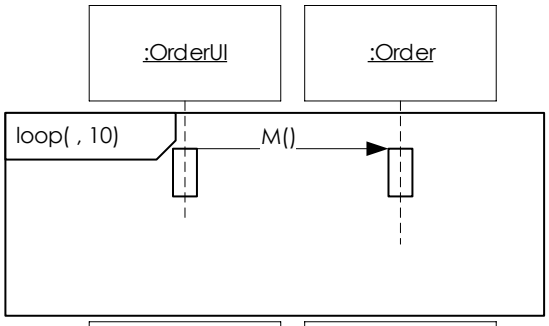
Answer: D

Q15. Which one shows that loop will execute exactly 10-times?

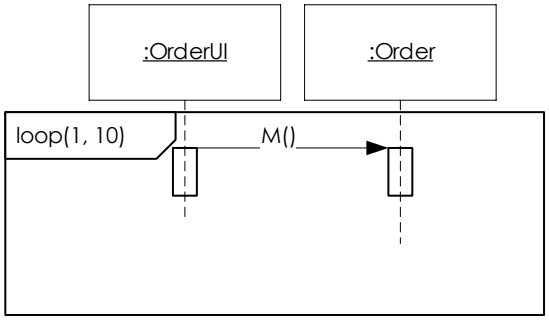
A.



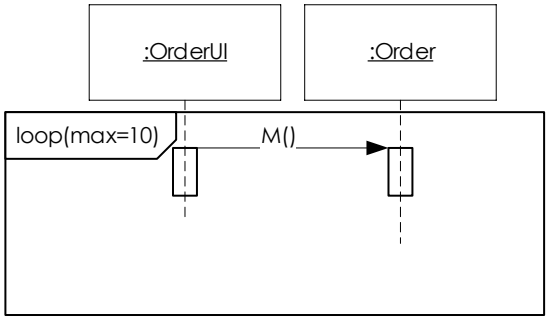
B



C.



D.

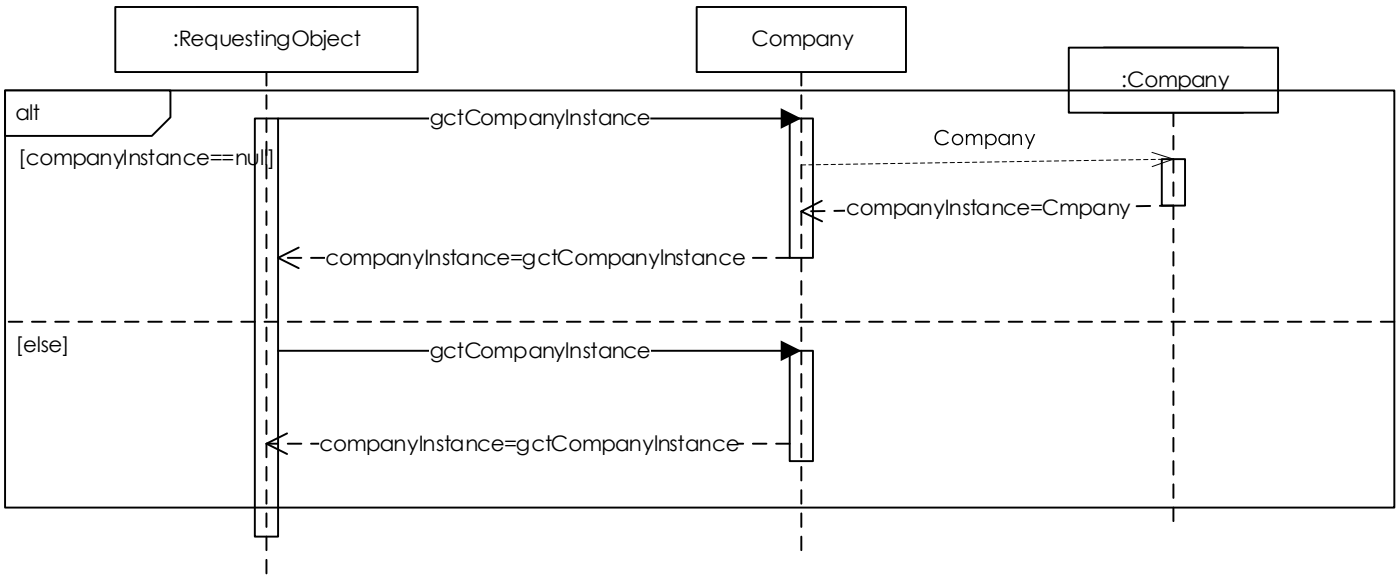


Answer: A

Q16.Instance creation of Company is done using following operation invocation

companyIntance = Company.getCompanyInstance()

The sequence diagram of instance creation is shown below

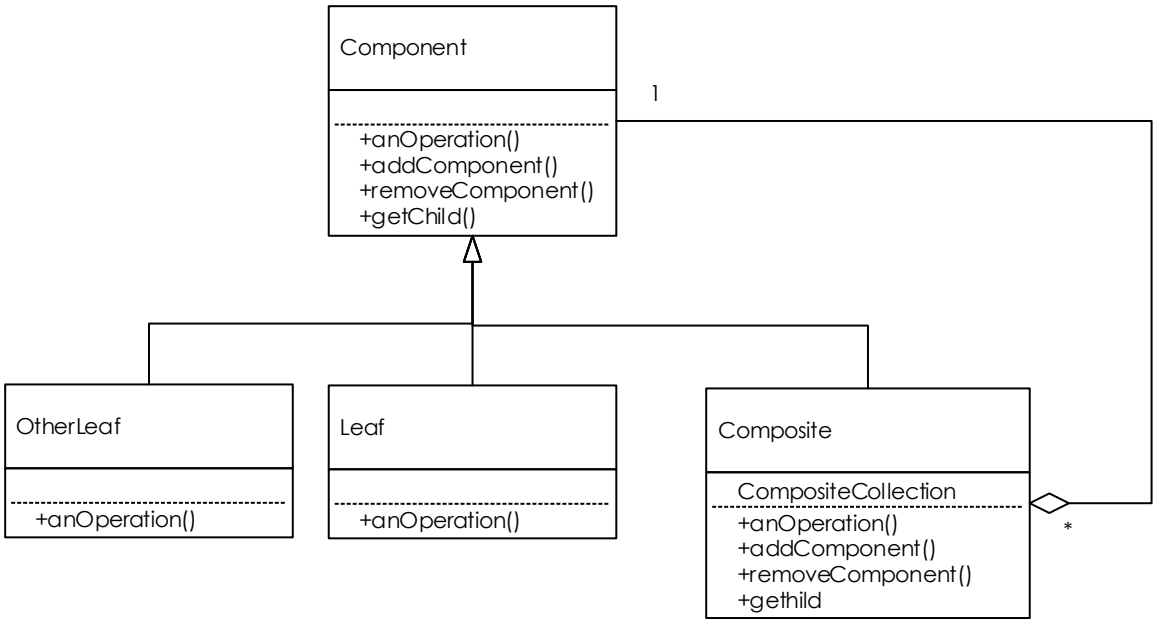


Which patter is applied here?

A. MVC B. Composite C. State D. Singleton

Answer: D

Q17. Look at the diagram below



The diagram is the general form of _____.

A. Singleton pattern B. Composite pattern C. State pattern D. Factory pattern

Answer: B

Q18. An attribute to hold a list of qualifications. Which one is the correct syntax to define it?

A. qualification[0..n]: String B. qualification[n]: String C. qualification(n): String D. qualification(0..n): String

Answer: A

Q19. BankAccount object has operation with signature

credit(amount:Money) :Boolean

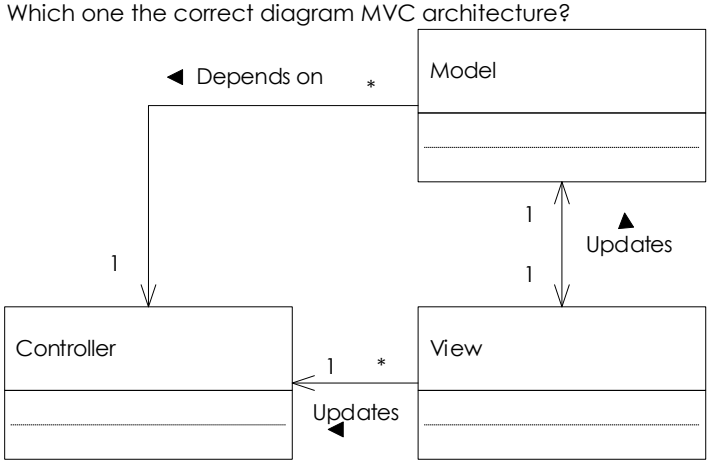
Which one sends credit () message sent to a BankAccount object accObject with parameter value 500.00?

A. credit= accObject.credit(500.00) B. accObject.credit(500.00) C. BankAccount.credit(500.00) D. credit= BankAccount.credit(500.00)

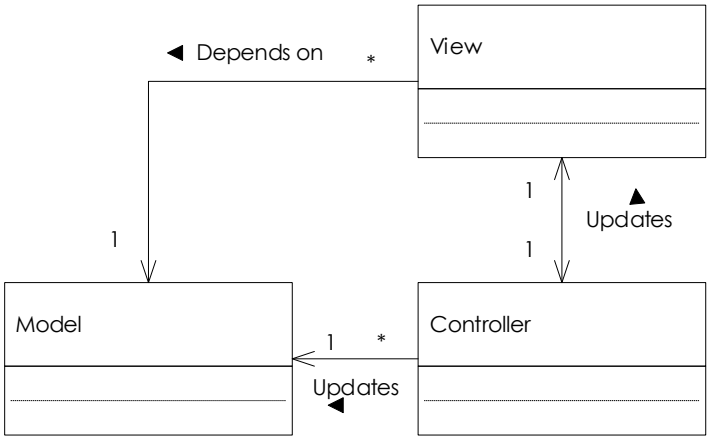
Answer: A

Q20. Which one the correct diagram MVC architecture?

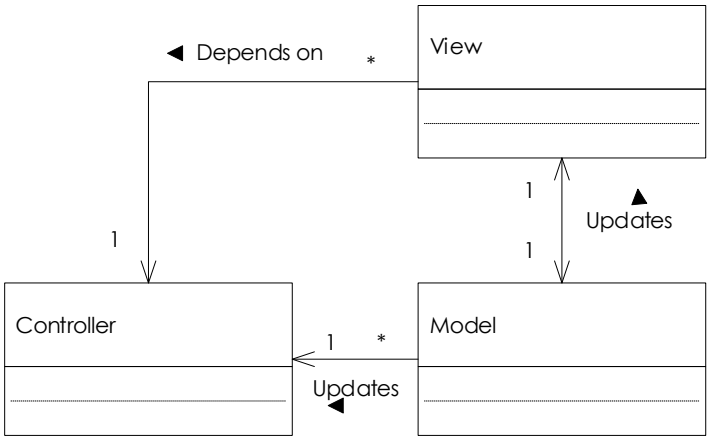
A.



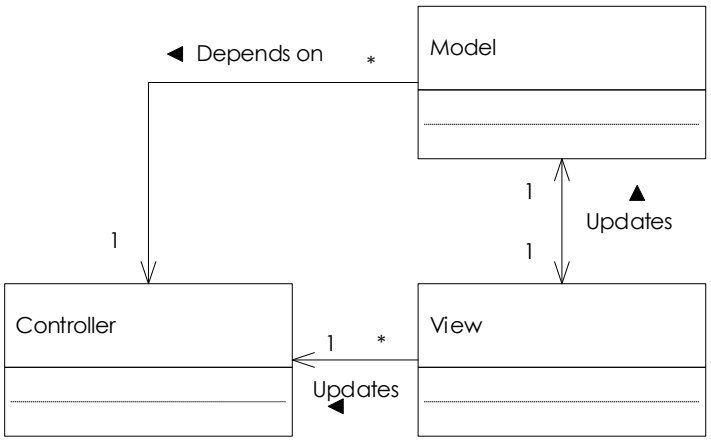
B.



C.



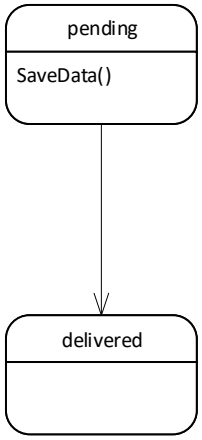
D.



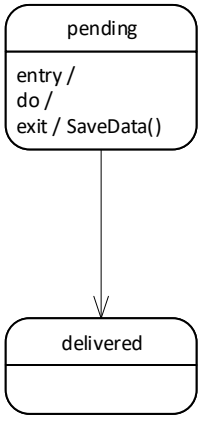
Answer: B

Q21. SaveData action is invoked when an order changes its state from pending to delivered. Which one shows it correctly?

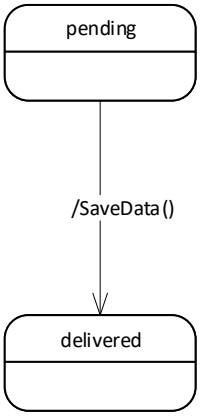
A.



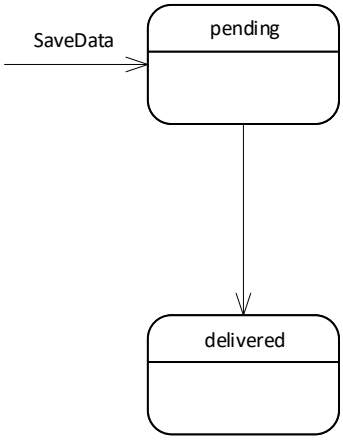
B.



C.



D.



Answer: B

Q22. Which one is the symbol for sub-system?

A. 

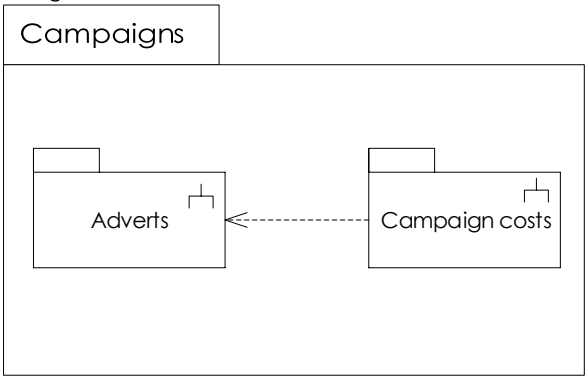
B. 

C. 

D. 

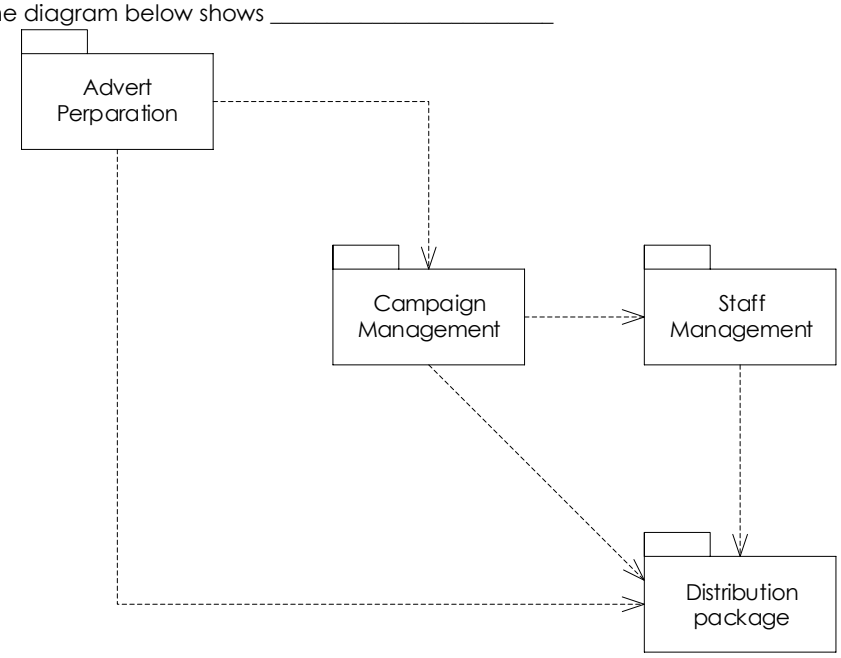
Answer: B

Q23. The diagram below shows _____



A. a detailed system design B. an initial system architecture C. a component dependency D. a deployment model

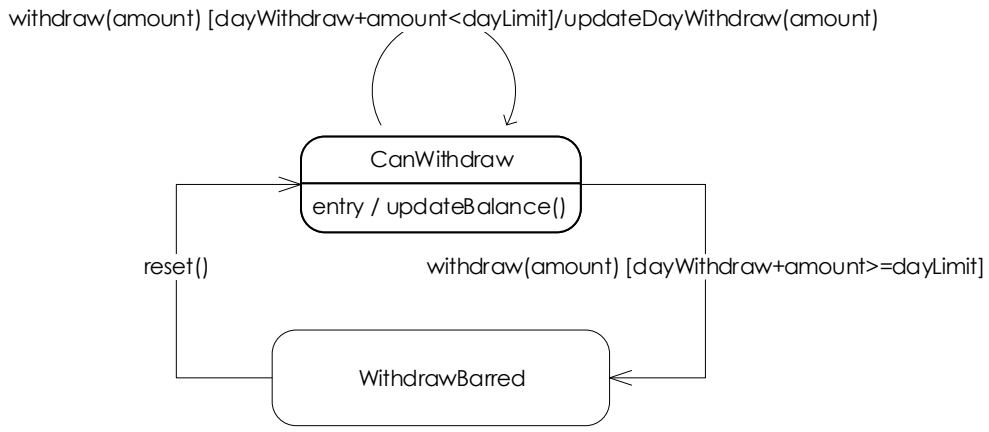
Answer: B
Q24. The diagram below shows _____



A. initial package architechture
B. initial system architecture
C. a component dependency
D. a deployment model

Answer: A

Look at the diagram below. Q25 to Q29 are based on the diagram.



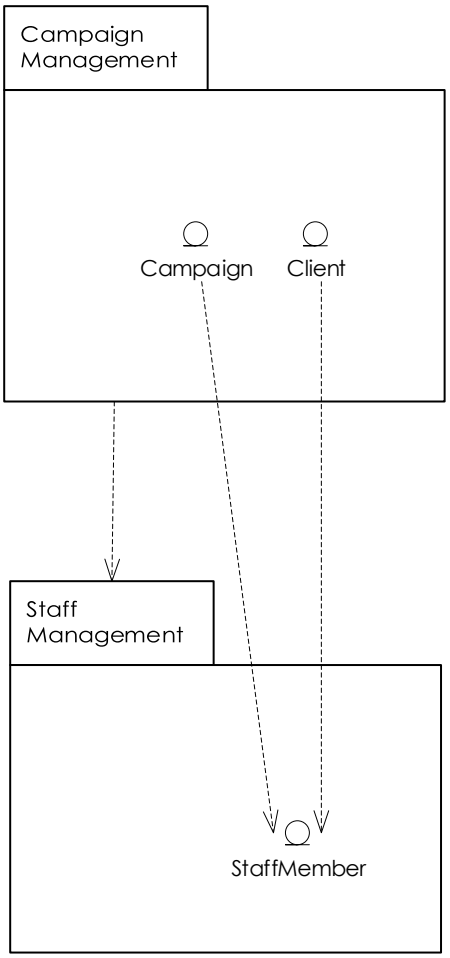
Q25. This is a _____.
A. activity diagram
B. sequence diagram
C. collaboration diagram
D. State chart

Answer: D
Q26. _____is a state with internal activity.
A. CanWithdraw
B. updateBalance()
C. withdraw(amount)
D. reset()

Answer: B
Q27. reset() is _____
A. an event
B. an action
C. a state
D. a guard condition

Answer: A
Q29. dayWithdraw+amount>=dayLimit is _____
A. an event
B. an action
C. A state
D. a guard condition

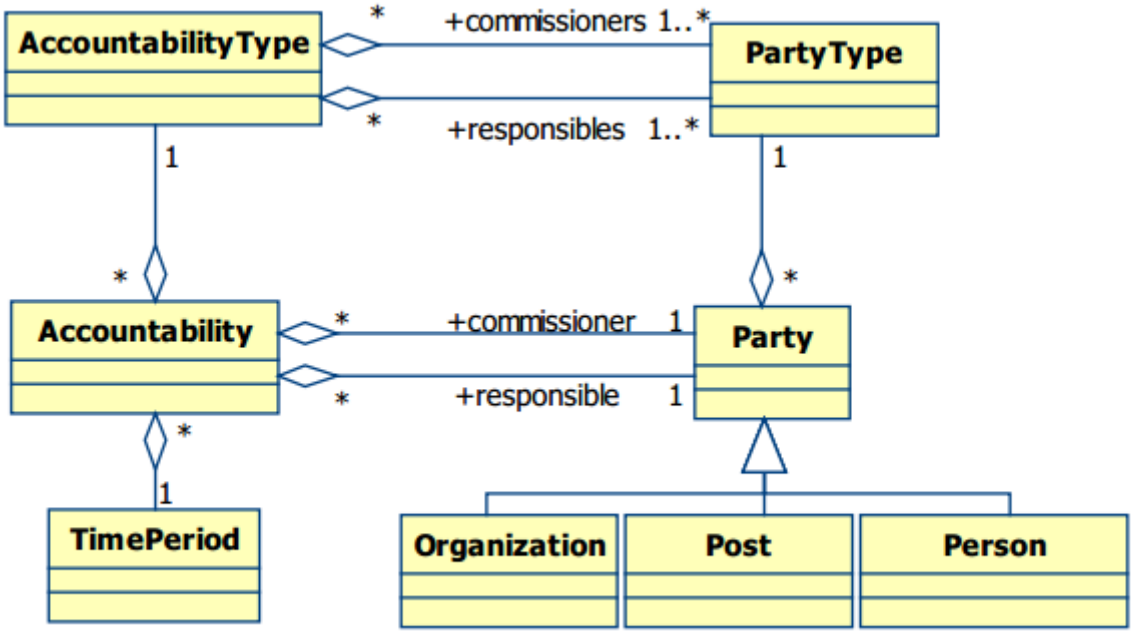
Answer: D
Q30. The diagram below shows _____.



A. dependency among packages
B. dependency among packages and among objects within packages
C. initial system architecture
D. Class dependency

Answer: B

Q31. Look at the diagram

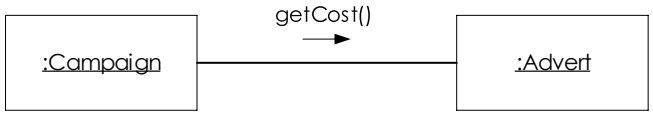


The diagram shows _____.

A. accountibilty analysis pattern
B. factory creational pattern
C. composite structural pattern
D. state behavioral pattern

Answer: A

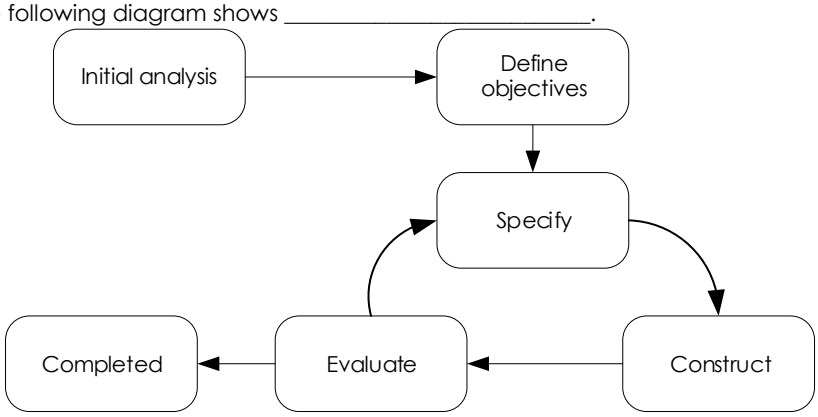
Q32. The diagram below shows _____.



A. object colloboration in time sequence B. object messaging C. sub-system communication D. class interaction in sequence

Answer: B

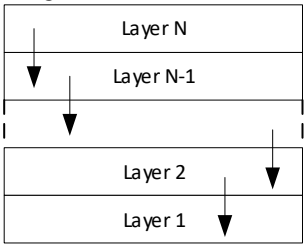
Q33. The following diagram shows _____.



A. Prototyping lifecycle B. USDP lifecycle C. traditional lifecycle D. incremental iterative lifecycle

Answer: A

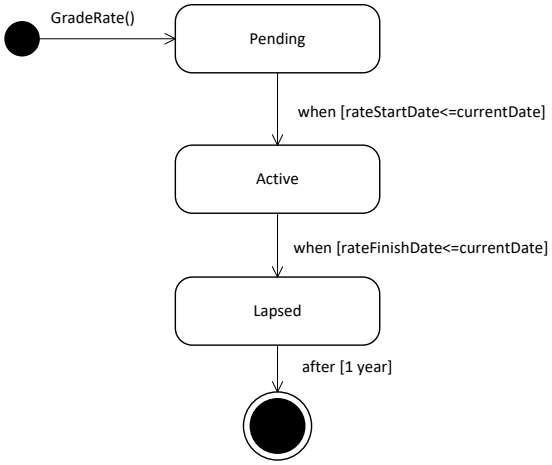
Q34. The diagram below shows _____



A. Partitioned architecture B. open layered architecture C. closed layered architecture D. partitioned and layered architecture

Answer: C

Q9. Look at the following state chart.



In the above state chart, which one is change event?

A. GradeRate() B. when[rateStartDate<=currentDate] C. after [1 year] D. Active

Answer: B