Unit 9 - WEEK 6

Assignment 06

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-04-08, 23:59 IST.

1) At what stage(s) in the transaction flow can the endorsement policies be validated ? *1 point*

- Proposal Submission to the peers.
- Submit Collated Responses to the Orderer.
- Orderer creates the block of transactions.
- Peer commits the block of transactions.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Submit Collated Responses to the Orderer.

2) Is it possible that transactions are ordered by different nodes and executed on different nodes in Hyperledger Fabric? *1 point*

- false
- true

No, the answer is incorrect.
Score: 0
Accepted Answers:
true

3) If a request r' is seen by a replica sm(i) after r has been accepted by sm(i) then: *1 point*

- uid(r) < cuid(sm(i) ,r')
  cuid(sm(i) ,r) <= uid(r)
- uid(r) <= cuid(sm(i) ,r')
  cuid(sm(i) ,r) <= uid(r)
- uid(r) < cuid(sm(i) ,r')
  cuid(sm(i) ,r) < uid(r)
- uid(r) > cuid(sm(i) ,r')
  cuid(sm(i) ,r) <= uid(r)

No, the answer is incorrect.
Score: 0
Accepted Answers:
uid(r) < cuid(sm(i) ,r')
cuid(sm(i) ,r) <= uid(r)

4) In Fail-Stop Tolerance: Minimum number of working replica required for the 4 nodes SMR(State Machine Replication) to work? *1 point*

- 4
- 3
- 2
- 1

No, the answer is incorrect.
Score: 0
Accepted Answers:
1

5) Byzantine Fault Tolerance: To tolerate t failures, we need how many replicas? *1 point*

- t+1
- 2t+1
- 3t+1
- t

No, the answer is incorrect.
Score: 0
Accepted Answers:
3t+1

6) In SMR, If below given is the state what will be the final value? *1 point*

Initially and replica have x = 3,

r0 -> make x = 10
r1 -> make x = 30

Node 1

Req.	CUID	UID
r0	1.1	2.4
r1	2.1	2.2

Node 2

Req.	CUID	UID
r0	1.2	2.4
r1	2.2	2.2

Node 3

Req.	CUID	UID
r1	1.3	2.2
r0	2.3	2.4

Node 4

Req.	CUID	UID
r1	1.4	2.2
r0	2.4	2.4

- x = 3
- x = 10
- x = 30
- cannot be determined

No, the answer is incorrect.
Score: 0
Accepted Answers:
x = 10

7) Non-deterministic code will **not** lead to fork in distributed ledger? *1 point*

- false
- true

No, the answer is incorrect.
Score: 0
Accepted Answers:
false

8) Which of the following is/are drawback of order execute paradigm? *1 point*

- Sequential execution
- Non-deterministic code
- Confidentiality of execution
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
All of the above

9) Does all peers/nodes in order execute paradigm need to execute all the transaction? *1 point*

- Yes
- No

No, the answer is incorrect.
Score: 0
Accepted Answers:
Yes

10) In Ethereum, How we handle the problem of infinite loop/execution of transaction? *1 point*

- Solidity do not allow loops
- by charging gas for each transaction
- ethereum kill/abort transaction after timeout
- not possible

No, the answer is incorrect.
Score: 0
Accepted Answers:
by charging gas for each transaction