Progress

Course outline

course work?

Week 0

WEEK 1

WEEK 2

Lecture 3

Lecture 4

Lecture 5

WEEK 3

WEEK 4

WEEK 5

WEEK 6

WEEK 7

WEEK 8

Lecture Notes

Text Transcripts

DOWNLOAD VIDEOS

Ungraded Assignment

O Quiz : Assignment 02

Assignment 02 Solution

O Feedback For Week 2

○ true

false

No, the answer is incorrect. Score: 0

Accepted Answers:

Unit 5 - WEEK 2

How does an NPTEL online

| he due date for submitting this assignment has passed. s per our records you have not submitted this assignment. | Due on 2020-03-11, 23:59 IST. |
|---|-------------------------------|
| In public key cryptosystem based digital signature, the message digest is signed by: | 1 po |
| Sender's private key | |
| Sender's public key | |
| receiver's private key | |
| receiver's public key | |
| lo, the answer is incorrect. core: 0 | |
| ender's private key | |
| In crypto-currency a ledger records? | 1 po |
| ○ list of balances | |
| Olist of transactions | |
| Olist of accounts | |
| none of the above | |
| lo, the answer is incorrect. | |
| core: 0 | |
| ccepted Answers: | |
| a. All transaction are valid b. No | |
| a. All transaction are valid | |
| b. yes | |
| a. some transaction can be invalid | |
| b. No | |
| | |
| a. some transaction can be invalid | |
| b. yes | |
| lo, the answer is incorrect. | |
| ccepted Answers: | |
| . All transaction are valid | |
| . yes | |
| Repudiation/ verifiability problem can be solved by digitally signing transaction by sender in Blockchain? | 1 po |
| ○ false | |
| ○ true | |
| lo, the answer is incorrect. core: 0 | |
| | |
| ccepted Answers: | |

| | receiver's public key | |
|---|---|---------|
| | No, the answer is incorrect. | |
| | Score: 0 Accepted Answers: | |
| | sender's private key | |
| | 2) In crypto-currency a ledger records? | 1 point |
| | ○ list of balances | |
| | O list of transactions | |
| | Iist of accounts none of the above | |
| | No, the answer is incorrect. | |
| | Score: 0 Accepted Answers: | |
| | list of transactions | |
| | 3) a. What defines a valid ledger? | 1 point |
| b | . Given a valid ledger can you generate account balances? | |
| | a. All transaction are valid | |
| | b. No | |
| | a. All transaction are valid | |
| | b. yes | |
| | a. some transaction can be invalid | |
| | b. No | |
| | a. some transaction can be invalid | |
| | b. yes | |
| | No, the answer is incorrect. | |
| | Score: 0 Accepted Answers: | |
| | a. All transaction are valid | |
| | b. yes | |
| | Repudiation/ verifiability problem can be solved by digitally signing transaction by sender in Blockchain? | 1 point |
| | 4) Nepudiation/ verniability problem can be solved by digitally signing transaction by sender in blockchain: | i poiii |
| | ○ false | |
| | ○ true | |
| | No, the answer is incorrect. Score: 0 | |
| | Accepted Answers: true | |
| | uue | |
| a | 5) When will replay attack happen? Sender Account balance after transaction is greater than or equal to the amount transferred in the transaction. | 1 point |
| b | o. "Change Address" is included in the transaction | |
| С | . Sender Account balance after transaction is less than the amount transferred in the transaction. | |
| | O a. Yes b. No | |
| | c. Yes | |
| | ○ a. No | |
| | b. Yes | |
| | c. No | |
| | ○ a. Yes | |
| | b. Yes | |
| | c. Yes | |
| | O a. Yes | |
| | b. No c. No | |
| | No, the answer is incorrect. | |
| | Score: 0 Accepted Answers: | |
| | a. Yes b. No | |
| | c. No | |
| | 6) Fischer-Lynch-Paterson impossibility result: | 1 point |
| | consensus is impossible with even a single faulty node? | . po |
| | Ofalse | |
| | ○ true | |
| | No, the answer is incorrect. Score: 0 | |
| | Accepted Answers: true | |
| | true | |
| | 7) Which of the following is/are decentralised system? | 1 point |
| | DNS | |
| | □ Bitcoin □ SMTP | |
| | None of the above | |
| | No, the answer is incorrect. | |
| | Score: 0 Accepted Answers: | |
| | Bitcoin | |
| | 8) Why consensus is hard? | 1 point |
| | No notion of global time | |
| | faults in network | |
| | nodes may crash/ faulty nodes none of the above | |
| | No, the answer is incorrect. | |
| | Score: 0 | |
| | Accepted Answers: No notion of global time | |
| | faults in network nodes may crash/ faulty nodes | |
| | | |
| | 9) Paxos is? | 1 point |
| | Consistent | |
| | Inconsistent rarely stuck | |
| | never stuck | |
| | No, the answer is incorrect. Score: 0 | |
| | Accepted Answers: | |
| | Consistent rarely stuck | |
| | | |
| | 10) Is Byzantine General Problem solvable for 3 nodes? | 1 point |
| | ○ false | |