Progress

Course outline

course work?

Week 0

WEEK 1

WEEK 2

WEEK 3

WEEK 4

Lecture 11

Lecture 12

Lecture 13

Lecture 14

Lecture 15

WEEK 5

WEEK 6

WEEK 7

WEEK 8

Lecture Notes

Text Transcripts

DOWNLOAD VIDEOS

Ouiz: Assignment 04

Assignment 04 Solution

Feedback For Week 4



NPTEL » Introduction to Blockchain Technology and Applications

different each time

different for each sender

9) Benefits of Account over UTXOs?

10) Differences in ethereum from bitcoin?

EVM

No, the answer is incorrect.

Accepted Answers:

Score: 0

Privacy

fixed

Announcements

About the Course

Ask a Question

Mentor

1 point

Unit 7 - WEEK 4

How does an NPTEL online

| The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. | Due on 2020-03-25, 23:59 IS |
|--|-----------------------------|
| Which of the following requires a hard fork? | 1 |
| | |
| A requirement that all transactions have their outputs sorted by value in ascending order | |
| Adding a new OP_SHA3 script instruction | |
| Decreasing the size of transaction | |
| Disabling the OP_SHA1 instruction | |
| No, the answer is incorrect. Score: 0 | |
| Accepted Answers: | |
| Adding a new OP_SHA3 script instruction | |
| Decreasing the size of transaction | |
| 2) What is SPV client? | 1 |
| nodes validating every block and storing entire blockchain | |
| onodes validating every block but storing only the block headers | |
| nodes trusting fully validating nodes and storing only block headers | |
| onodes calculating the nonce for the block | |
| No, the answer is incorrect. Score: 0 | |
| Accepted Answers: nodes trusting fully validating nodes and storing only block headers | |
| 3) A bitcoin block contains | 1 |
| Hashes of Transactions | |
| Nonce | |
| Merkle Tree Root | |
| Previous Block Hash | |
| No, the answer is incorrect. Score: 0 | |
| Accepted Answers: Hashes of Transactions | |
| Nonce | |
| Merkle Tree Root | |
| Previous Block Hash | |
| 4) Which one of the following is not the limitation of bitcoin? | 1 |
| ○ Scalability | |
| O Decentralisation | |
| Cryptographic Assumptions | |
| Hard Coded Limits | |
| No, the answer is incorrect. Score: 0 | |
| Accepted Answers: Decentralisation | |
| 5) Amount of gas per operation in smart contract is | 1 |
| ○ fived | |
| O fixed | |
| Odifferent for each transaction | |

Memory savings Scope of Scalability Simplicity No, the answer is incorrect. Score: 0 Accepted Answers: Privacy Scope of Scalability 7) Solidity support following features? 1 point

6) Which of the following is /are the benefits of UTXO based model over Account based model?

inheritance libraries complex user defined types No, the answer is incorrect. Score: 0 Accepted Answers: inheritance libraries complex user defined types

8) EVM smart contracts cannot access data outside memory and storage? 1 point false ○ true No, the answer is incorrect. Score: 0 Accepted Answers: true

Higher degree of privacy Large space saving Simplicity None of the above No, the answer is incorrect. Score: 0 Accepted Answers: Large space saving Simplicity

Accounts and not UTXOs Merkle Patricia Trees EVM None of the above No, the answer is incorrect. Score: 0 Accepted Answers: Accounts and not UTXOs Merkle Patricia Trees