1. What is a blockchain?
2. How does a blockchain work?
3. What is the purpose of a blockchain?
4. What are the benefits of using a blockchain?
5. What are the types of blockchains?
6. What is the difference between public and private blockchains?
7. What is a smart contract?
8. How are transactions verified on a blockchain?
9. What is a block reward?
10. What is a 51% attack and how does it work?
11. How is data stored on a blockchain?
12. How is privacy maintained on a blockchain?
13. What are some real-world applications of blockchain technology?
14. How does blockchain differ from traditional databases?
15. What are the limitations of blockchain technology?
16. What is distributed ledger technology?
17. How is distributed ledger technology different from blockchain technology?
18. What are the benefits of using distributed ledger technology?
19. What are the types of distributed ledgers?
20. How are transactions recorded on a distributed ledger?
21. What is the consensus mechanism in distributed ledger technology?
22. What are the advantages of a permissioned distributed ledger?
23. How does distributed ledger technology enable decentralized applications?
24. How does distributed ledger technology impact traditional financial systems?
25. What are the potential use cases of distributed ledger technology?
26. How does distributed ledger technology address issues of trust and transparency?
27. What are the challenges associated with implementing distributed ledger technology?
28. How does distributed ledger technology differ from centralized databases?

29. What are the limitations of distributed ledger technology?
30. What is distributed consensus?
31. Why is distributed consensus important in distributed systems?
32. What are the challenges of achieving distributed consensus?
33. What is the role of a consensus algorithm in distributed consensus?
34. What are the different types of consensus algorithms?
35. How does the proof-of-work consensus algorithm work?
36. How does the proof-of-stake consensus algorithm work?
37. How does the proof-of-burnconsensus algorithm work?
38. What is a Byzantine fault?
39. What are the limitations of distributed consensus algorithms?
40. What is cryptocurrency?
41. How does cryptocurrency work?
42. What is the purpose of cryptocurrency?
43. What is a blockchain-based cryptocurrency?
44. What is a decentralized cryptocurrency?
45. How are new units of cryptocurrency created?
46. What is mining in the context of cryptocurrency?
47. What is a cryptocurrency wallet?
48. What is the difference between a hot and a cold wallet?
49. What are the advantages of using cryptocurrency?
50. What are the disadvantages of using cryptocurrency?
51. What are some popular cryptocurrencies?
52. How can cryptocurrency be used for transactions?
53. How does cryptocurrency differ from traditional currency?
54. What are the regulatory challenges associated with cryptocurrency?
55. What is Ethereum?
56. How is Ethereum different from Bitcoin?
57. What is the Ethereum Virtual Machine (EVM)?
58. What is the purpose of the EVM?

59. What is a smart contract on Ethereum?
60. How are smart contracts executed on Ethereum?
61. What is gas in the context of Ethereum?
62. What is the purpose of gas in Ethereum?
63. What is a decentralized application (dApp) on Ethereum?
64. What are the benefits of using Ethereum for dApp development?
65. What is Ether?
66. How is Ether used on the Ethereum network?
67. What is the difference between Ether and gas?
68. What is a hard fork in the context of Ethereum?
69. What are some popular applications built on Ethereum?
70. What is a dApp?
71. How is a dApp different from a regular app?
72. What are the benefits of using a dApp?
73. What are the types of dApps?
74. What is the architecture of a typical dApp?
75. What is a smart contract in the context of a dApp?
76. How are smart contracts used in dApps?
77. What is the role of a blockchain in a dApp?
78. What is a decentralized autonomous organization (DAO)?
79. How does a DAO function in a dApp?
80. What is the consensus mechanism in a dApp?
81. What are the challenges associated with building a dApp?
82. What is the difference between a public and a private dApp?
83. What are some popular dApps in use today?
84. How can one get started building a dApp?
85. What is Hyperledger Fabric?
86. How is Hyperledger Fabric different from other blockchain platforms?
87. What is the architecture of Hyperledger Fabric?
88. What are the roles of the different nodes in a Hyperledger Fabric network?

89. What is the consensus mechanism in Hyperledger Fabric?
90. What is the role of the orderer in Hyperledger Fabric?
91. What is a smart contract in the context of Hyperledger Fabric?
92. How are smart contracts used in Hyperledger Fabric?
93. What is a channel in Hyperledger Fabric?
94. How are channels used in Hyperledger Fabric?
95. What is the Hyperledger Fabric SDK?
96. How is the Hyperledger Fabric SDK used in application development?
97. What are the benefits of using Hyperledger Fabric for enterprise blockchain solutions?
98. What are some popular use cases of Hyperledger Fabric?
99. How can one get started with using Hyperledger Fabric?
100. Explain chaincode in blockchain.
101. List and explain different roles in hyperledger febrics