1. What is a vertex?
2. What is an edge?
3. Edges may be weighted to show that there is a cost to go from one vertex to another?
4. What is a graph is a sequence of vertices that are connected by edges?
5. A cycle in a directed graph is a path that starts and ends at the same vertex?
6. \_\_\_\_\_\_\_\_\_\_ what does IOT stand for?
7. \_\_\_\_\_\_\_\_\_\_ a system of recording information in a way that makes it difficult or impossible to change, hack, or cheat the system.
8. \_\_\_\_\_\_\_\_\_\_ types of blockchain.
9. \_\_\_\_\_\_\_\_\_\_ A network host is a computer or other device connected to a computer network.?
10. \_\_\_\_\_\_\_\_\_\_ a client is any computer hardware or software device that requests access to a service provided by a server
11. \_\_\_\_\_\_\_\_\_\_ returns the list of all vertices in the graph?
12. \_\_\_\_ and \_\_\_\_ for a statement of the form vertex in graph, if the given vertex is in the graph, False otherwise?
13. collection of items which are stored in such a way as to make it easy to find them later?
14. a data structure that can be searched in O(1)O(1) time?
15. Each position of the hash table, often called?
16. The mapping between an item and the slot where that item belongs in the hash table is called
17. Once the hash values have been computed, we can insert each item into the hash table at the designated position?
18. Given a collection of items, a hash function that maps each item into a unique slot is referred to as a?
19. for constructing hash functions begins by dividing the item into equal-size pieces (the last piece may not be of equal size)?
20. Another numerical technique for constructing a hash function is called?

ANSWER KEY

1. A vertex (also called a “node”) is a fundamental part of a graph.
2. An edge (also called an “arc”) is another fundamental part of a graph.
3. Weight
4. Path
5. Cycle
6. Internet of things
7. Blockchain
8. Bitcoin
9. Host
10. Clients
11. getVertices()
12. in, True
13. Hash Table
14. Hashing
15. Slot
16. Hash function
17. Load factor
18. Perfect hash function
19. Folding method
20. Mid-square method