1. What is Javascript?
2. What are features of Javascript
3. What is DOM ?
4. What is BOM ?
5. How to perform click event on Dom Using Javascript ?
6. What is alert() and confirm() ?
7. What is difference between undefined and null ?
8. What is difference between == and === ?
9. What is function . Can we overload function in javascript ?
10. What is callback ? Explain with suitable example
11. What is promise?
12. What are advantage of promise over callback ?
13. What is callback hell
14. What is closure ?
15. What is IIFEs(Immediately Invoked Function expression) ?
16. What is annonymous function ?
17. What is hoisting in javascript
18. What is difference between var, let and const keyword
19. Explain use strict ?
20. What is event bubbling and event capturing ?
21. What are the primitive datatype in javascript ?
22. What are different types of popup boxes available in javascript ?
23. What will happen if an infinite while loop is run in javascript ?
24. List of HTML DOM mouse events
25. How to get the last index of a string in javascript ? Why using lastIndexOf() method return the index of last occurance of a specified value in a string ?
26. Describe negative infinity in javascript
27. Explain await and aync ? How to use await and async?
28. What is JS curring ?
29. How to handle the excption in javascript.
30. What is rest operator and spread operator.
31. What is call(), bind()and apply() method.
32. What is Node.js? Explaing the advantage of Node.js Over java and php.
33. What are the limitation of Node.Js
34. How Node.Js Works ?
35. How Node.js is single threaded ?
36. Explain any five built-in package/Dependency name in node.js
37. What is module in node.js
38. what is Module.exports.
39. How to create server in node.js.
40. How node.js handle multiple request.
41. How to use url module in node.js
42. What is setInterval, setTimeout
43. What is \_\_dirname and \_\_filename.
44. What is synchronous/Blocking and Asynchronous/Non-blocking code in node.js.
45. What is file system in node.js.
46. What are the differenct type of flag using in node.js
47. What is the use body parser
48. What is stream in node.js? Explain the types of stream.
49. How to pipe stream in node.js.
50. What is request and response in node.js
51. What is package.json and package.lock
52. What is npm ? How to install dependency/module at application level and Environment level.
53. How do you manage packages in your node.js project.
54. How Node.js is better then other framework
55. What are the some commonly used timing features of Node.js
56. What is fork in node.js
57. How do you create a simple server in node.js that return hello world.
58. How many types of API functions are there in node.js
59. What is REPL and how to use it?
60. What is purpose of module.exports
61. What is an event-loop in Node.js
62. If Node.js is single threaded then how does it handle multiple request/ concurrency
63. Differenctiate between process.nextTick() and setImmediate().
64. What is node.js stream
65. What is middleware
66. Explain what a reactor pattern in node.js
67. Describes the exit code of Node.js
68. What is an EventEmitter in node.js
69. What is a thread pool and which library handles it in node.js.
70. What is purpose of NODE\_ENV
71. How would you connection mongodb database to node application.
72. What are different type of http request
73. What is query string and how to send the data in get request
74. What is the use body parser
75. How to set the path of static file in express
76. What are types of Middleware in express ? Explain with suitable example
77. Does order of middleware matters in express.
78. What is express.js
79. What are some distinctive features of Express
80. is Express.js fron-end or backend framework?
81. Why do we use express.js
82. What is difference between express.js and node.js
83. What do you understand by Scaffolding in Express.Js.
84. Which are the argument available to an Express.Js route handler function.
85. How can you allow CORS in Express.jS?
86. How can you deal with Error handling in Express.js? Explain with an example
87. Write a code to start serving static file Express.JS
88. How can we render plain HTML in express
89. How can we send the data while rendering page in express
90. How to enable debugging in express app?
91. What is routing and How routing works in express
92. How dynamic routing works in express.js

Database :-

1. What do you understand by term database ?
2. Define DBMS
3. Define RDBMS
4. What are various type of relationships in database? define them
5. Explain normalization ?
6. What are different types of normalization?
7. What is SQL ?
8. How many SQL statement used ? Define them
9. Enlist some commands of DDL , DML and DCL
10. Explain the term record, field and table in database
11. What is view in database.
12. What are advantage and disadvantage of view?
13. Define Entity , Entity Type and Entity Set
14. Define a weak entity set
15. What do you undestand by join ? Explain different types of Join.
16. What is self join.
17. Explain Primary key, Foreign key, unique key, composite key, super key
18. What is projection in database?
19. What is difference between delete, truncate and drop command
20. Based on given table, solve the following query ?

Employee table



a) Write the SELECT command to display the details of the employee with empid as 1004.

b) Write the SELECT command to display all the records of table Employees.

c) Write the SELECT command to display all the records of the employee whose name starts with the character ‘R’.

d) Write a SELECT command to display id, age and name of the employees with their age in both ascending and descending order.

e) Write the SELECT command to calculate the total amount of salary on each employee from the below Emp table

22.What is mongodb ? What are advantage of mongodb.

23.What is difference between SQL and NoSQL database.

24.What is document in mongodb?

25.What is collection in mongodb?

26.What is mongo shell.

27.What are some features of mongodb.

28.How to add data in mongodb ?

29.How do you update data in mongodb

30.How do you delete document in mongodb

31.How to perform query in mongodb

32.What are datatypes in mongodb

33.What is index and how to create index in mongodb

34.Explain the set modifier in mongodb

35.Does mongodb support primary key and foreign key relationship ?

36.Explain the structure of ObjectId in mongodb

37 Is it true that MongoDB uses BSON to represent document structure?.

### 37.What are Indexes in MongoDB?

### 38.By default, which index is created by MongoDB for every collection?

39. In-which language mongodb is writtern ?

### 39.What will happen when you remove a document from database in MongoDB? Does MongoDB remove it from disk?

40.What is capped and uncapped collection in mongodb

41.What is lookup in mongodb

42.How to get record of second max age record from mongodb collection

43.What is mongoose ?

44.What is mongoose Schmea

45.How to set reference in mongoose Schema

46.How populate works in mongoose ?

47.List the name of the mongoose method to perform CRUD operation.

48.What is default connction pool size in mongoose

49.How to set connection pool size in mongoose.

50.What is connection pool and what are advantage of using connection pool size