

### 1. What is MySQL?

Answer: MySQL is an open-source relational database management system (RDBMS) based on SQL.

### 2. What are the data types in MySQL?

Answer: MySQL supports numeric, date/time, and string data types.

### 3. What is a primary key?

Answer: A primary key uniquely identifies each record in a table.

### 4. What is a foreign key?

Answer: A foreign key is a key used to link two tables together.

### 5. What is a join in MySQL?

Answer: A join is used to combine rows from two or more tables based on a related column.

### 6. Types of joins in MySQL?

Answer: INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL JOIN.

### 7. What is normalization?

Answer: Normalization is the process of organizing data to reduce redundancy.

### 8. What is denormalization?

Answer: Denormalization is the process of combining tables to improve performance.

### 9. What is an index?

Answer: An index is used to speed up the retrieval of rows by using a pointer.

### 10. What are the types of indexes?

Answer: PRIMARY, UNIQUE, INDEX (normal), FULLTEXT, and SPATIAL.

### 11. Sample Question 11

Answer: Sample Answer 11

**12. Sample Question 12**

Answer: Sample Answer 12

**13. Sample Question 13**

Answer: Sample Answer 13

**14. Sample Question 14**

Answer: Sample Answer 14

**15. Sample Question 15**

Answer: Sample Answer 15

**16. Sample Question 16**

Answer: Sample Answer 16

**17. Sample Question 17**

Answer: Sample Answer 17

**18. Sample Question 18**

Answer: Sample Answer 18

**19. Sample Question 19**

Answer: Sample Answer 19

**20. Sample Question 20**

Answer: Sample Answer 20

**21. Sample Question 21**

Answer: Sample Answer 21

**22. Sample Question 22**

Answer: Sample Answer 22

**23. Sample Question 23**

Answer: Sample Answer 23

**24. Sample Question 24**

Answer: Sample Answer 24

**25. Sample Question 25**

Answer: Sample Answer 25

**26. Sample Question 26**

Answer: Sample Answer 26

**27. Sample Question 27**

Answer: Sample Answer 27

**28. Sample Question 28**

Answer: Sample Answer 28

**29. Sample Question 29**

Answer: Sample Answer 29

**30. Sample Question 30**

Answer: Sample Answer 30

**31. Sample Question 31**

Answer: Sample Answer 31

**32. Sample Question 32**

Answer: Sample Answer 32

**33. Sample Question 33**

Answer: Sample Answer 33

**34. Sample Question 34**

Answer: Sample Answer 34

**35. Sample Question 35**

Answer: Sample Answer 35

**36. Sample Question 36**

Answer: Sample Answer 36

**37. Sample Question 37**

Answer: Sample Answer 37

**38. Sample Question 38**

Answer: Sample Answer 38

**39. Sample Question 39**

Answer: Sample Answer 39

**40. Sample Question 40**

Answer: Sample Answer 40

**41. Sample Question 41**

Answer: Sample Answer 41

**42. Sample Question 42**

Answer: Sample Answer 42

**43. Sample Question 43**

Answer: Sample Answer 43

**44. Sample Question 44**

Answer: Sample Answer 44

**45. Sample Question 45**

Answer: Sample Answer 45

**46. Sample Question 46**

Answer: Sample Answer 46

**47. Sample Question 47**

Answer: Sample Answer 47

**48. Sample Question 48**

Answer: Sample Answer 48

**49. Sample Question 49**

Answer: Sample Answer 49

**50. Sample Question 50**

Answer: Sample Answer 50