SQL SERVER Tricky Interview Questions & Outputs - SET 1 (45 Questions)

Please go through the tricky SQL SERVER One liner queries frequently asked in SQL Server interview questions. Please go through these questions before attending any technical Interview.

http://msbiskills.com/ Pawan Kumar Khowal

Question 1. SELECT 100
Output – 100

Question 2. SELECT LEN(02.20)
Output – 4

Question 3. SELECT LEN(12.20)
Output – 5

Question 4. SELECT $
Output – 0.00

Question 5. SELECT 1/2
Output – 0

Question 6. SELECT 1./2
Output – 0.500000
Question 7. SELECT 1 + 'A'

Output –

Msg 245, Level 16, State 1, Line 3
Conversion failed when converting the varchar value 'A' to data type int.

Question 8. SELECT COUNT('100')

Output – 1

Question 9. SELECT 'A' + '1'

Output – A1

Question 10. SELECT COUNT(*)

Output – 1

Question 11. SELECT 1,1

Output –
1 1

Question 12. SELECT (SELECT '1')

Output – 1

Question 13. SELECT SELECT '1'

Output –

Msg 156, Level 15, State 1, Line 4
Incorrect syntax near the keyword 'SELECT'.
Question 14. SELECT * FROM 'Emp' -- Assume that Emp is the table present in the DB

Output –

Msg 102, Level 15, State 1, Line 3
Incorrect syntax near 'Emp'.

Question 15. SELECT * FROM amit1, amit2

Output – You will get Cartesian product of amit1 and amit2.

Question 16. SELECT COUNT(1) + COUNT(1)

Output – 2

Question 17. SELECT '12' FROM amit1

Output – '12' will be printed times no of rows present in the table amit1

Question 18. SELECT SUM(2+2*9)

Output – 20

Question 19. SELECT MAX(2+2*9)

Output – 20

Question 20. SELECT SUM(1,3,4)

Output –

Msg 174, Level 15, State 1, Line 3
The SUM function requires 1 argument(s).
Question 21. SELECT MAX('Pawan')

Output – Pawan

Question 22. SELECT Count(SELECT age FROM amit1)

Output –

Msg 156, Level 15, State 1, Line 3
Incorrect syntax near the keyword 'SELECT'.
Msg 102, Level 15, State 1, Line 3
Incorrect syntax near ')'.

Question 23. SELECT SUM('1')

Output –

Msg 8117, Level 16, State 1, Line 3
Operand data type varchar is invalid for sum operator.

Question 24. SELECT SPACE(1) + 1

Output – 1

Question 25. SELECT LEN(SPACE(1) + CAST(1 AS VARCHAR(1)))

Output – 2

Question 26. SELECT LEN(SPACE(1) + 1)

Output – 1

Question 27. SELECT LEN(' AB ')

Output – 3

Question 28. SELECT LEN('AB ')
Output – 2

Question 29. `SELECT DATALENGTH(' A B ')`

Output – 5

Question 30. `SELECT CONCAT('Pawan',1)`

Output – `Pawan1`

Question 31. `SELECT 'PAWAN' + 1`

Output –

Msg 245, Level 16, State 1, Line 21
Conversion failed when converting the varchar value 'PAWAN' to data type int.

Question 32. `SELECT LEN(SPACE(1) + 'PAWAN')`

Output – 6

Question 33. `SELECT CONCAT('Pawan',1)`

Output – `Pawan1`

Question 34. `SELECT DATALENGTH(SPACE(1) + 1)`

Output – 4

Question 35. `SELECT LEN(SPACE(1) + 1)`

Output – 1
Question 36. SELECT COUNT(NEWID())

Output – 1

Question 37. SELECT 50 WHERE NULL = NULL

Output – Nothing will come or 0 rows affected.

Question 38. SELECT SUM(-1)

Output – -1

Question 39. ( SELECT 'A' AS C1 ) UNION ( SELECT 'X' UNION ALL SELECT NULL UNION ALL SELECT NULL )

Output –

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>NULL</td>
</tr>
<tr>
<td>NULL</td>
<td>X</td>
</tr>
</tbody>
</table>

Question 40. ( SELECT 'A' AS C1 ) UNION SELECT 'X' UNION ALL SELECT NULL UNION ALL SELECT NULL

Output –

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>X</td>
</tr>
<tr>
<td>NULL</td>
<td>NULL</td>
</tr>
</tbody>
</table>

Question 41. SELECT COUNT(100)

Output – 1
Question 42. SELECT COUNT(*) OVER ()

Output – 1

Question 43.

SELECT NULL
UNION
SELECT NULL

Output – NULL

Question 44. SELECT COUNT(C1) FROM (SELECT 'X' AS C1 UNION ALL SELECT 'Y' UNION ALL SELECT NULL) T

Output – 2

Question 45. SELECT SUM(10) OVER ()

Output – 10