

🔥 40 Practice Questions (grouped by topic)

A — Counting occurrences with `LEN` + `REPLACE` (8)

1. Find rows where name contains **exactly 1** occurrence of letter 'a'.
 2. Find rows where name contains **exactly 3** occurrences of letter 'e'.
 3. Find rows where name contains **at least 2** occurrences of 'r'.
 4. Find rows where name contains **no** occurrences of 'x'.
 5. Find rows where description contains **exactly 2** spaces.
 6. Find rows where code contains **exactly 2** occurrences of digit '1'.
 7. Find rows where name contains the **same number** of 'a' and 'e'.
 8. Find rows where name contains **more vowels than consonants** (hint: count vowels vs total letters).
-

B — Only letters (no digits, no special chars) using `NOT LIKE '%[^A-Za-z]%'` (5)

9. Return rows where name contains **only letters** (A–Z, a–z) and no spaces.
 10. Return rows where city contains **only letters and spaces** (allow space but no digits/special).
 11. Return rows where code contains **only uppercase letters** (A–Z).
 12. Return rows where username contains **only lowercase letters** (a–z).
 13. Return rows where name contains **only letters and hyphen (-)** but no other special character.
-

C — Exact length + ends/starts with letter/digit (6)

14. Find names that are **exactly 8 characters long** and **end with a letter**.
 15. Find names that are **exactly 6 characters** and **start with a digit**.
 16. Find code values that are **exactly 5 chars** and follow pattern Letter-Letter-Digit-Digit-Letter.
 17. Find names of length **≥ 5 and ≤ 7** and **end with a digit**.
 18. Find rows where phone_number has **exactly 10 characters** (including any symbols).
 19. Find names of exactly **4 characters** and **start with a vowel**.
-

D — NOT / Negation & [^] patterns (6)

20. Find rows where name **does NOT contain** any vowel (a,e,i,o,u).
 21. Find rows where name **does NOT start** with letters A–M.
 22. Find rows where city **does NOT end** with vowels (a,e,i,o,u).
 23. Find rows where code **does NOT contain digits** anywhere.
 24. Find rows where name **does NOT contain** the substring 'test'.
 25. Find rows where name **starts with a character that is not a letter** (i.e., not A–Z, a–z).
-

E — ESCAPE and literal special characters (5)

26. Find rows where name contains a **literal percent sign** %.
 27. Find rows where description contains a **literal underscore** _.
 28. Find rows where code contains a **literal left bracket** [anywhere.
 29. Find rows where name contains a **literal backslash** \.
 30. Find rows where description contains the exact substring 50%_sold (percentage + underscore).
-

F — Exactly one special character / position-based special (4)

31. Find rows where name contains **exactly one** special character from @, #, \$, % anywhere in the string.
 32. Find rows where name contains **exactly one special character**, and it is **not at the start or end** (it must be in the middle).
 33. Find rows where code has **exactly one dash** - and it is at position 4 (fourth char).
 34. Find rows where username contains **two letters, then exactly one special**, then two letters (pattern: LSLl where S is special from !@#).
-

G — LEFT / RIGHT / LEN / basic functions (6)

35. Find rows where LEFT(name,1) = 'A' and LEN(name) > 5.
36. Find rows where RIGHT(name,2) = '99' (ends with 99).
37. Find rows where LEFT(code,3) are letters and RIGHT(code,2) are digits.
38. Find rows where LEN(name) - LEN(REPLACE(name, ' ', '')) > 2 (more than 2 spaces).
39. Find rows where LEFT(email, CHARINDEX('@', email) - 1) length is > 6 (local-part longer than 6).
40. Find rows where RIGHT(city,1) is a vowel (a,e,i,o,u).