

### Assumed Insurance Schema (for reference)

- **Customers**(CustomerID, FirstName, LastName, City, DOB)
  - **Policies**(PolicyID, CustomerID, PolicyType, StartDate, EndDate, PremiumAmount)
  - **Claims**(ClaimID, PolicyID, ClaimAmount, ClaimDate, ClaimStatus)
  - **Payments**(PaymentID, PolicyID, PaymentDate, Amount)
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### STRING FUNCTION QUESTIONS (1–10)

1. Display customer **full name** by concatenating FirstName and LastName.
  2. Find customers whose **FirstName starts with 'A'**.
  3. Display LastName in **UPPERCASE**.
  4. Find customers whose **Lastname length is more than 6 characters**.
  5. Display the **first 3 characters** of FirstName.
  6. Replace the word '**Life**' with '**Term Life**' in PolicyType.
  7. Find customers whose **City contains 'del'** (case-insensitive).
  8. Remove **leading and trailing spaces** from customer FirstName.
  9. Display PolicyType and its **character length**.
  10. Extract **last 4 characters** from PolicyType.
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### NUMERIC FUNCTION QUESTIONS (11–20)

11. Display PremiumAmount rounded to **nearest integer**.
  12. Find policies where **PremiumAmount is greater than 5000 after rounding**.
  13. Display **absolute value** of ClaimAmount.
  14. Calculate **10% tax** on PremiumAmount.
  15. Display PremiumAmount rounded to **2 decimal places**.
  16. Find the **square root** of PremiumAmount.
  17. Display the **ceiling value** of ClaimAmount.
  18. Display the **floor value** of PremiumAmount.
  19. Calculate **total premium including 18% GST**.
  20. Find policies where **ClaimAmount modulo 2 = 0**.
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### DATE FUNCTION QUESTIONS (21–30)

21. Display **current system date**.
  22. Find policies that **started in the year 2023**.
  23. Calculate **policy duration in days**.
  24. Find customers whose **birthday is in the current month**.
  25. Display ClaimDate in **DD-MM-YYYY format**.
  26. Find policies that **expire within the next 30 days**.
  27. Calculate **customer age** from DOB.
  28. Find claims filed **in the last 6 months**.
  29. Display month name from Policy StartDate.
  30. Find policies where **StartDate is a Monday**.
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#### AGGREGATE FUNCTION QUESTIONS (31–40)

31. Find the **total number of customers**.
32. Calculate **total premium collected**.
33. Find **average premium amount**.
34. Find the **maximum claim amount**.
35. Find the **minimum premium amount**.
36. Count number of policies **per PolicyType**.
37. Find total ClaimAmount **per ClaimStatus**.
38. Find PolicyTypes where **average premium > 6000**.
39. Count number of claims **per year**.
40. Find customers having **more than 2 policies**.