



Create a list of all valid keywords in the IEC 61131-3 Structure Text programming language.



IEC 61131-3 Structured Text (ST) is a high-level programming language used for PLC programming. It is similar to other high-level programming languages such as Pascal and C. Here is a list of valid keywords and symbols in IEC 61131-3 Structured Text:

- 1. PROGRAM, END_PROGRAM
- 2. FUNCTION, END_FUNCTION
- 3. FUNCTION_BLOCK, END_FUNCTION_BLOCK
- 4. CONFIGURATION, END_CONFIGURATION
- 5. RESOURCE, END_RESOURCE
- 6. METHOD, END_METHOD
- 7. PROPERTY, END_PROPERTY
- 8. ACTION, END_ACTION
- 9. INTERFACE, END_INTERFACE
- 10. CLASS, END_CLASS
- 11. VAR, END_VAR
- 12. VAR_INPUT, END_VAR
- 13. VAR_OUTPUT, END_VAR
- 14. VAR_IN_OUT, END_VAR
- 15. VAR_ACCESS, END_VAR
- 16. VAR_EXTERNAL, END_VAR
- 17. VAR_TEMP, END_VAR
- 18. VAR_GLOBAL, END_VAR
- 19. TYPE, END_TYPE
- 20. IF, THEN, ELSE, ELSIF, END_IF
- 21. CASE, OF, END_CASE
- 22. FOR, TO, BY, DO, END_FOR
- 23. WHILE, DO, END_WHILE
- 24. REPEAT, UNTIL, END_REPEAT
- 25. EXIT
- 26. RETURN
- 27. GOTO
- 28. AND, OR, XOR, NOT
- 29. MOD, DIV
- 30. | " , >=, <, <=, =, <>"
- 31. +, -, *, /
- 32. (,)
- 33. ;, :
- 34. ARRAY, OF
- 35. AT
- 36. ENUM, END_ENUM
- 37. STRUCT, END_STRUCT
- 38. POINTER TO
- 39. REF_TO
- 40. INITIAL_STEP, STEP, END_STEP
- 41. TRANSITION, END_TRANSITION
- 42. EVENT
- 43. WITH, END_WITH
- 44. ALIAS
- 45. CONSTANT
- 46. IMPORT
- 47. QUALIFIED
- 48. FORWARD
- 49. RETAIN
- 50. NON_RETAIN
- 51. PUBLIC
- 52. PRIVATE
- 53. PROTECTED

Please note that the list above contains keywords and symbols from the IEC 61131-3 Structured Text programming language, but some implementations, like CODESYS or Siemens TIA Portal, might have additional specific keywords or slight variations in keyword usage.