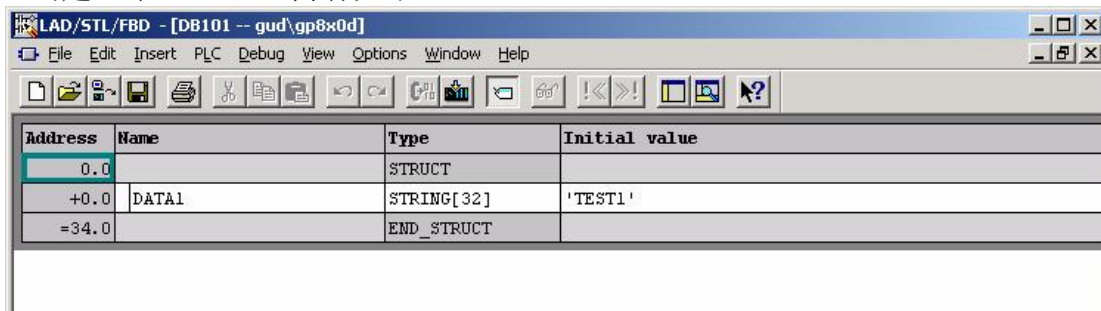


# PLC 读用户变量

接着上篇日志

- 1.定义好用户变量
- 2.创建 PLC 项目，拷贝 TOOLBOX 基本程序
- 3.创建一个 DB101，内容如下：

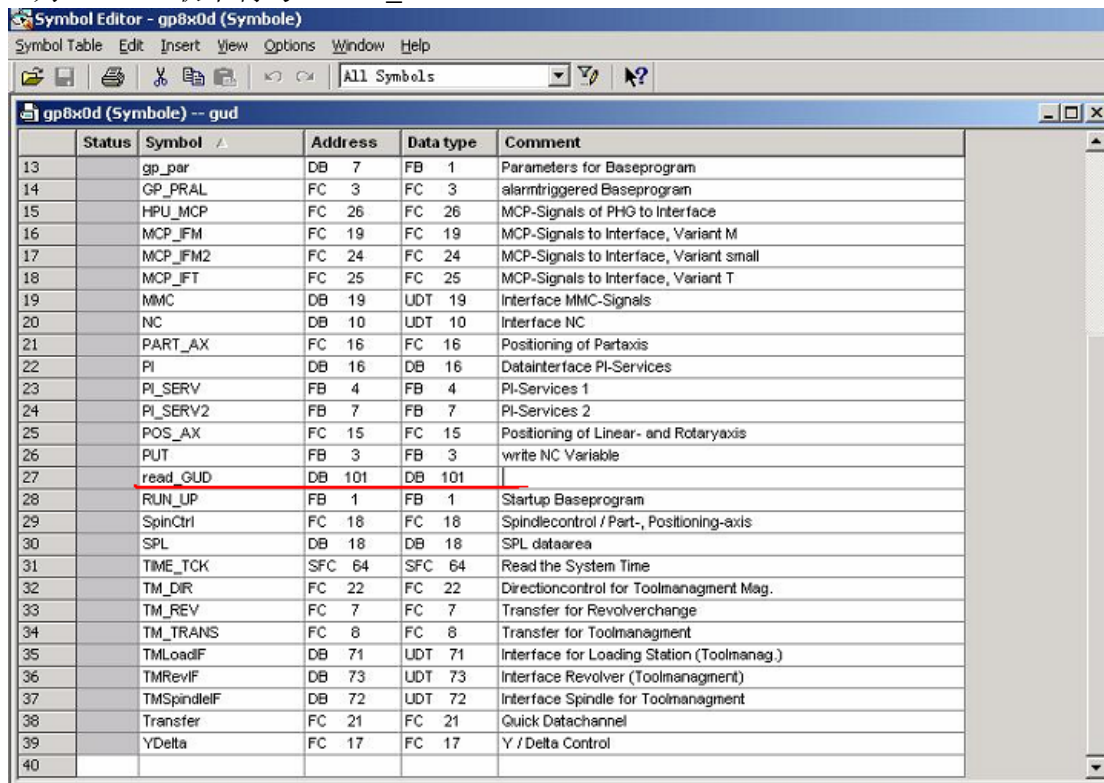


The screenshot shows the 'LAD/STL/FBD' editor window for a project named 'gud\gp8x0d'. The 'Symbol Table' is displayed, showing the following data:

Address	Name	Type	Initial value
0.0		STRUCT	
+0.0	DATA1	STRING[32]	'TEST1'
=34.0		END_STRUCT	

其中“TEST1”是用户变量名。

- 4.为 DB101 取个符号“read\_GUD”



The screenshot shows the 'Symbol Editor - gp8x0d (Symbole)' window. The symbol table is displayed with the following data:

Status	Symbol	Address	Data type	Comment
	gp_par	DB 7	FB 1	Parameters for Baseprogram
	GP_PICAL	FC 3	FC 3	alarmtriggered Baseprogram
	HPU_MCP	FC 26	FC 26	MCP-Signals of PHG to Interface
	MCP_IFM	FC 19	FC 19	MCP-Signals to Interface, Variant M
	MCP_IFM2	FC 24	FC 24	MCP-Signals to Interface, Variant small
	MCP_IFT	FC 25	FC 25	MCP-Signals to Interface, Variant T
	MMC	DB 19	UDT 19	Interface MMC-Signals
	NC	DB 10	UDT 10	Interface NC
	PART_AX	FC 16	FC 16	Positioning of Partaxis
	PI	DB 16	DB 16	Datainterface PI-Services
	PI_SERV	FB 4	FB 4	PI-Services 1
	PI_SERV2	FB 7	FB 7	PI-Services 2
	POS_AX	FC 15	FC 15	Positioning of Linear- and Rotaryaxis
	PUT	FB 3	FB 3	write NC Variable
	read_GUD	DB 101	DB 101	
	RUN_UP	FB 1	FB 1	Startup Baseprogram
	SpinCtrl	FC 18	FC 18	Spindlecontrol / Part-, Positioning-axis
	SPL	DB 18	DB 18	SPL dataarea
	TIME_TCK	SFC 64	SFC 64	Read the System Time
	TM_DIR	FC 22	FC 22	Directioncontrol for Toolmanagment Mag.
	TM_REV	FC 7	FC 7	Transfer for Revolverchange
	TM_TRANS	FC 8	FC 8	Transfer for Toolmanagment
	TMLoadIF	DB 71	UDT 71	Interface for Loading Station (Toolmanag.)
	TMRevIF	DB 73	UDT 73	Interface Revolver (Toolmanagment)
	TMSpindleIF	DB 72	UDT 72	Interface Spindle for Toolmanagment
	Transfer	FC 21	FC 21	Quick Datachannel
	YDelta	FC 17	FC 17	Y / Delta Control

- 5.在 PLC 程序中调用 FB5

Network 3: Title:

Comment:

CALL "GETGUD" , DB100	FB5	-- read GUD-Variable
Req :=I7.7		
Addr := "read_GUD".DATA1	P#DB101.DBX0.0	-- Temporary placeholder variable
Area :=B#16#0		
Unit :=B#16#1		
Index1 :=		
Index2 :=		
CnvtToken:=		
VarToken :=		
Error :=M100.0		
Done :=M100.1		
State :=MW102		
RD :=MD110		

Area=0 表示读 NCK 用户变量

Unit=1 读 NCK 用户变量设成 1

程序下载后，当按用户定义键 I7.7 时，用户变量 TEST1 的数值便会被读到 MD110 中。



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