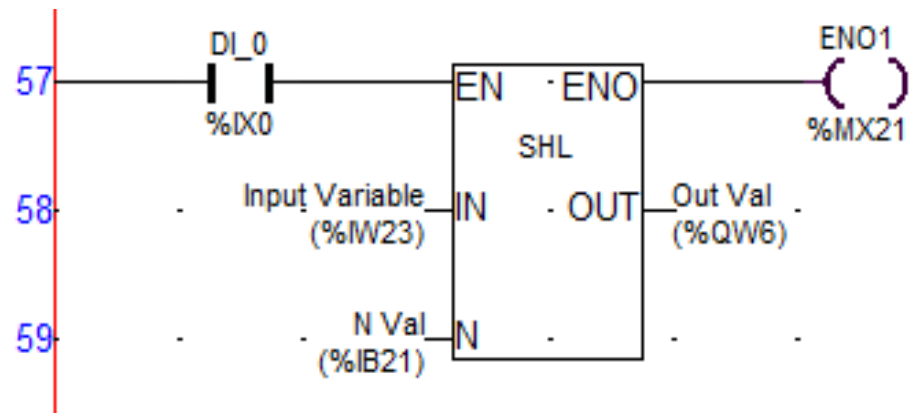


1. After adding register.



## 2. Description of the variable used in the block

### Inputs :

Signal	Data type	Description
EN	BOOL	Enables block operation
IN	WORD, DWORD	Input variable to be shifted
N	USINT	Number of positions by which input variable is to be shifted

### Outputs :

Signal	Data type	Description
ENO	BOOL	Indicates completion of operation
OUT	WORD, DWORD	Shifted input variable

When DI\_0 goes high following calculation take place.

Initial Value	Calculation	Result
IN_VAL = 12 and N_VAL = 3	$\text{Out\_Val} = \text{IN\_VAL} * (2^N)$ $\text{Out\_Val} = 12 * (2^3) = 12 * 8 = 96$	Out_Val = 96