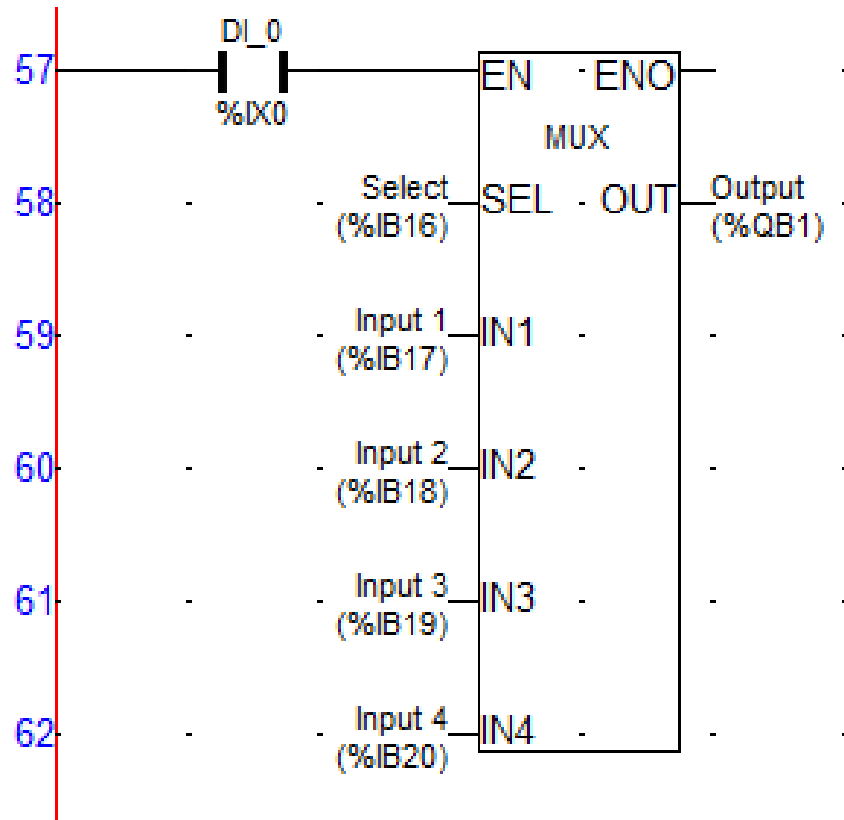


## 1. After adding register.



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

Signal	Data type	Description
EN	BOOL	Enables block operation
IN1, IN2, IN3, IN4	INT, UINT, DINT, UDINT, TIME, DATE, TOD, WORD, DWORD, SINT, USINT	Input variable
SEL	UINT	Status of this pin decides which input is to be selected

Signal	Data type	Description
Out	INT, UINT, DINT, UDINT, TIME, DATE, TOD, WORD, DWORD, SINT, USINT	Output value
ENO	BOOL	Status of selection process

When DI\_0 goes high following operation will take place.

Value of Sel\_1 is checked

If Sel\_1=0, Out1=In1

If Sel\_1=1, Out1=In2

If Sel\_1=2, Out1=In3

If Sel\_1=3, Out1=In4

Case	Condition	Initial Value	Calculation	Result
1	Sel_1=0	In1=10, In2=20, In3=30, In4=40, Sel_1=0	Out1=In1	Out1=10
2	Sel_1=1	In1=10, In2=20, In3=30, In4=40, Sel_1=1	Out1=In2	Out1=20
3	Sel_1=2	In1=10, In2=20, In3=30, In4=40, Sel_1=2	Out1=In3	Out1=30
4	Sel_1=3	In1=10, In2=20, In3=30, In4=40, Sel_1=3	Out1=In4	Out1=40
5	Sel_1>3	In1=10, In2=20, In3=30, In4=40, Sel_1=4	Out1=Previous Out1	Previous Out1