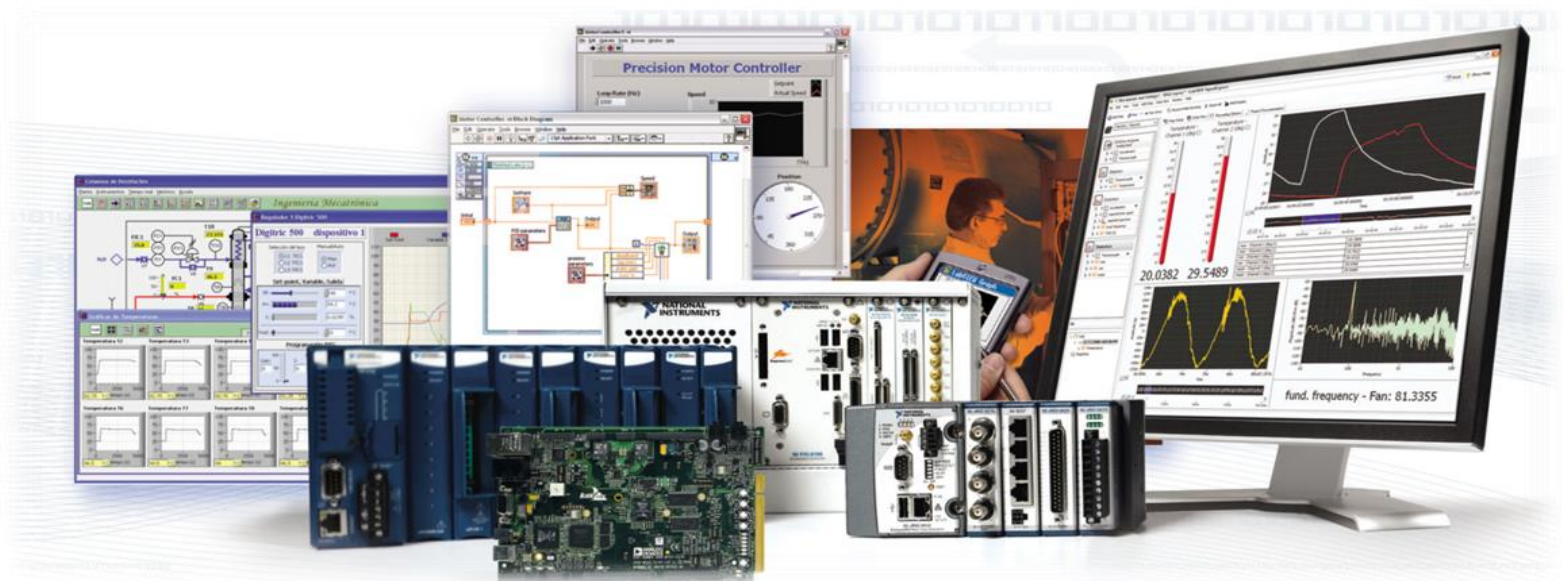


# LabVIEW

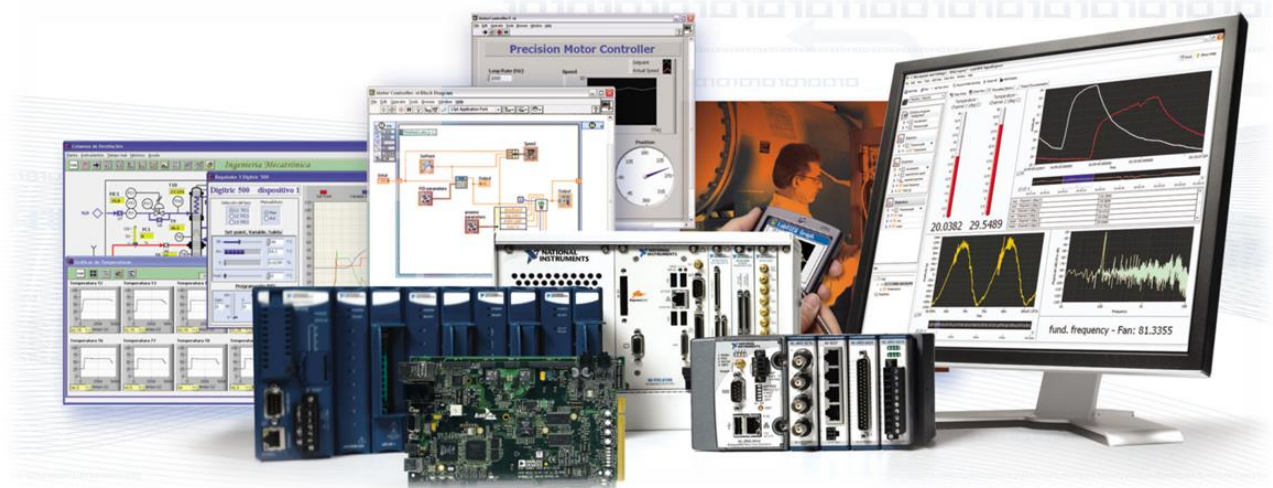
## LabVIEW의 정석 기본편



INFINITYBOOKS

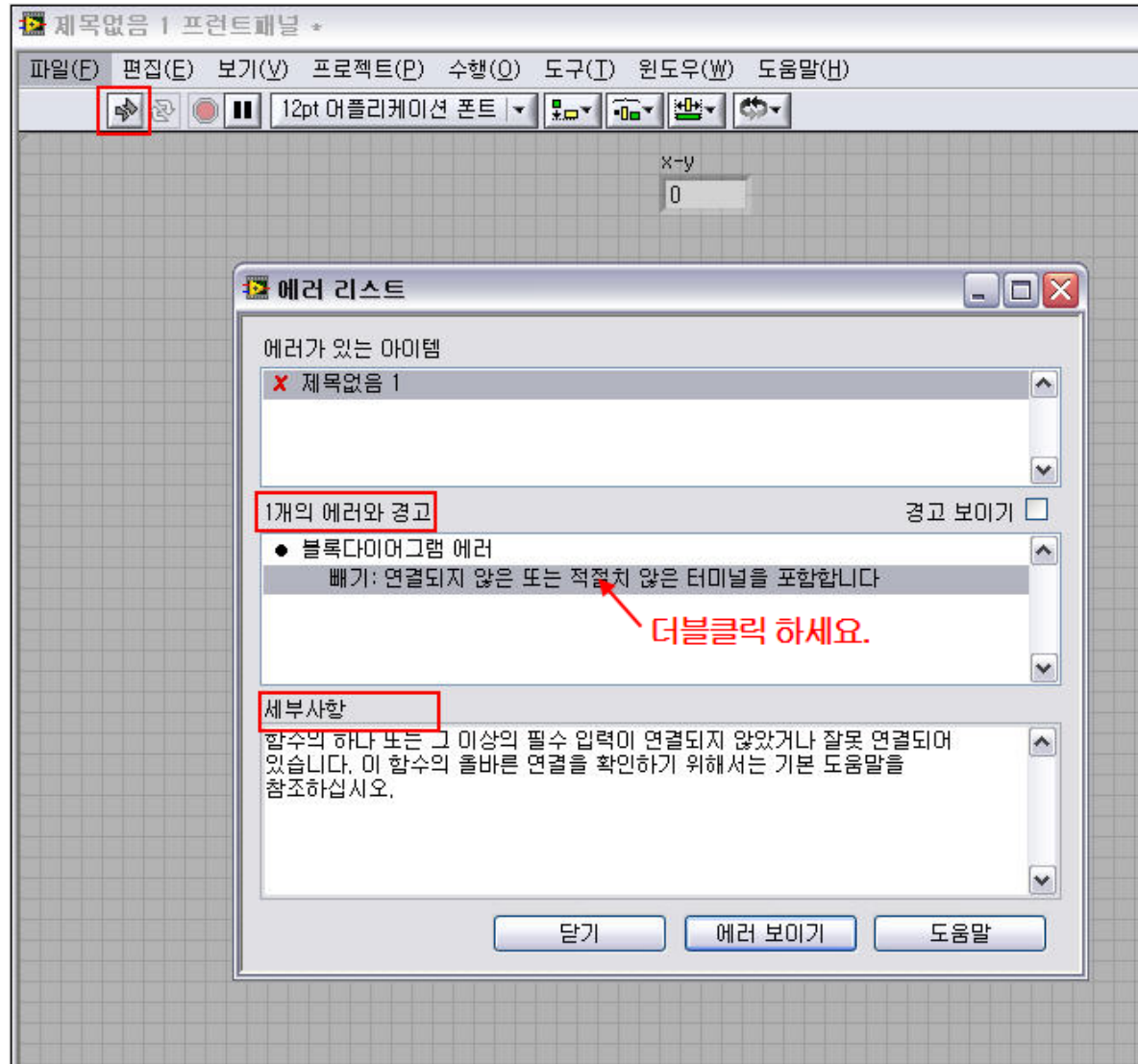
인 피 니 티 북 스

## 2. 디버깅



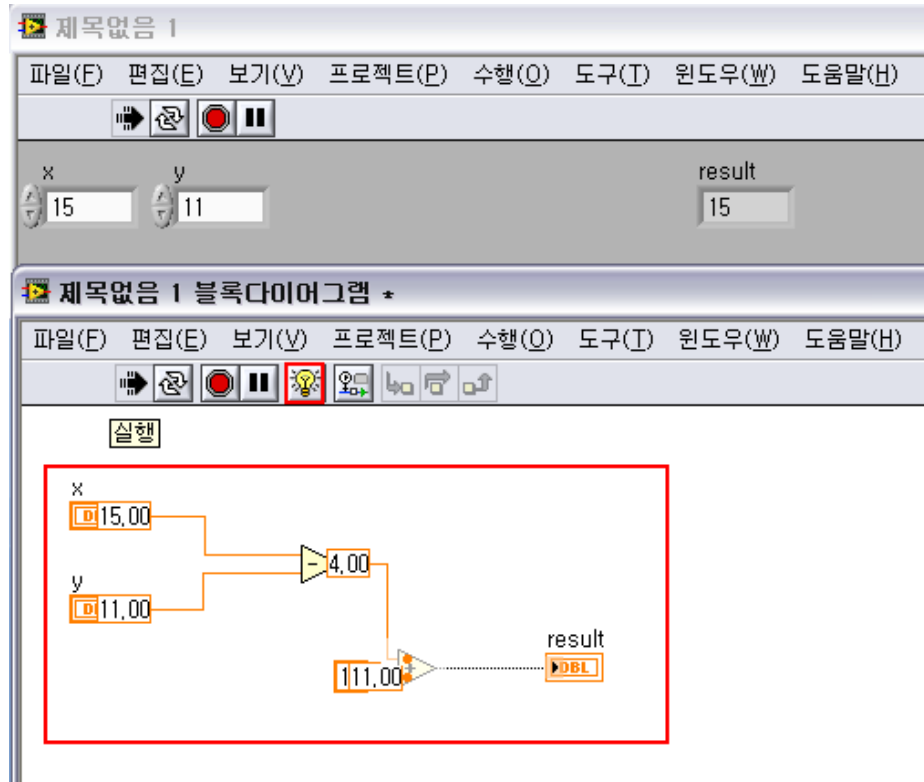


# 에러가 있는 VI





# 실행하이라이트



- 천천히 실행되면서  
데이터의 흐름이 눈에 보임

## **실습2-2-1) 실행하이라이트**



# 프로브



Diagram showing a LabVIEW block diagram and the Probe Display window.

The block diagram shows three input variables: x (value 1), y (value 2), and z (value 3). The result variable is 0.8181818.

The block diagram logic is as follows:

- x and y are connected to a summing junction (+).
- The output of the summing junction is connected to a constant block (1).
- The output of the constant block is connected to a division junction (÷).
- The output of the division junction is connected to a constant block (2).
- The output of the constant block (2) and z are connected to a multiplication junction (x).
- The output of the multiplication junction is connected to the result variable.

The Probe Display window shows the following data:

프로브	값	최종 업데이트
제목없음 2		
[1] 프로브	3.000E+0	2010-01-12 오후 4:14:24
[2] 프로브	272.727E-3	2010-01-12 오후 4:14:24

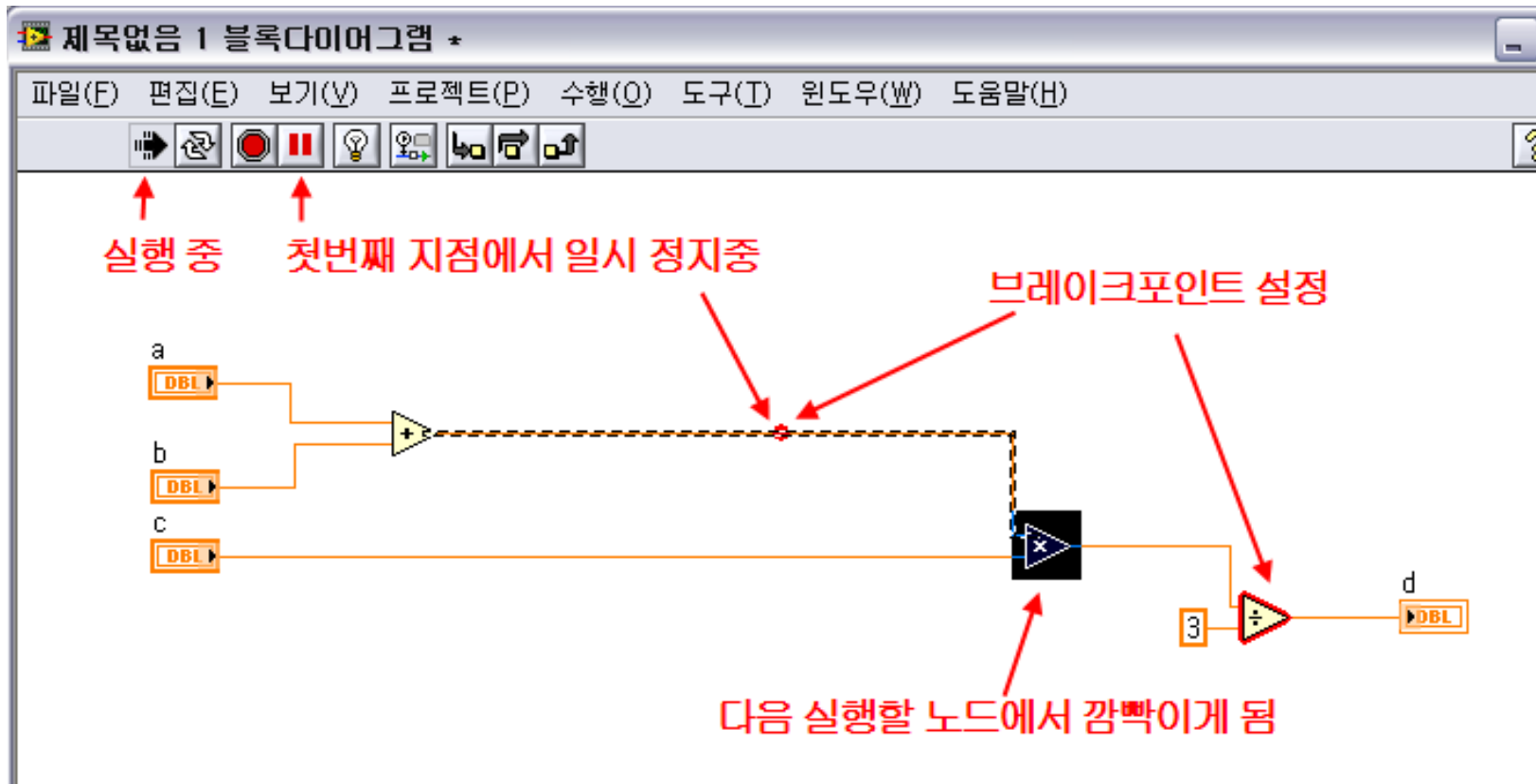
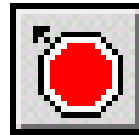
The Probe Display window also shows a value of 0.272727 in the Probe Display field.

•원하는 지점의 값을 모니터링 함.

**실습2-3-1) 프로브**



# 브레이크포인트



- 원하는 지점에서 일시 정지 함.



## 실습2-4-1) 브레이크포인트



## 단계별 실행

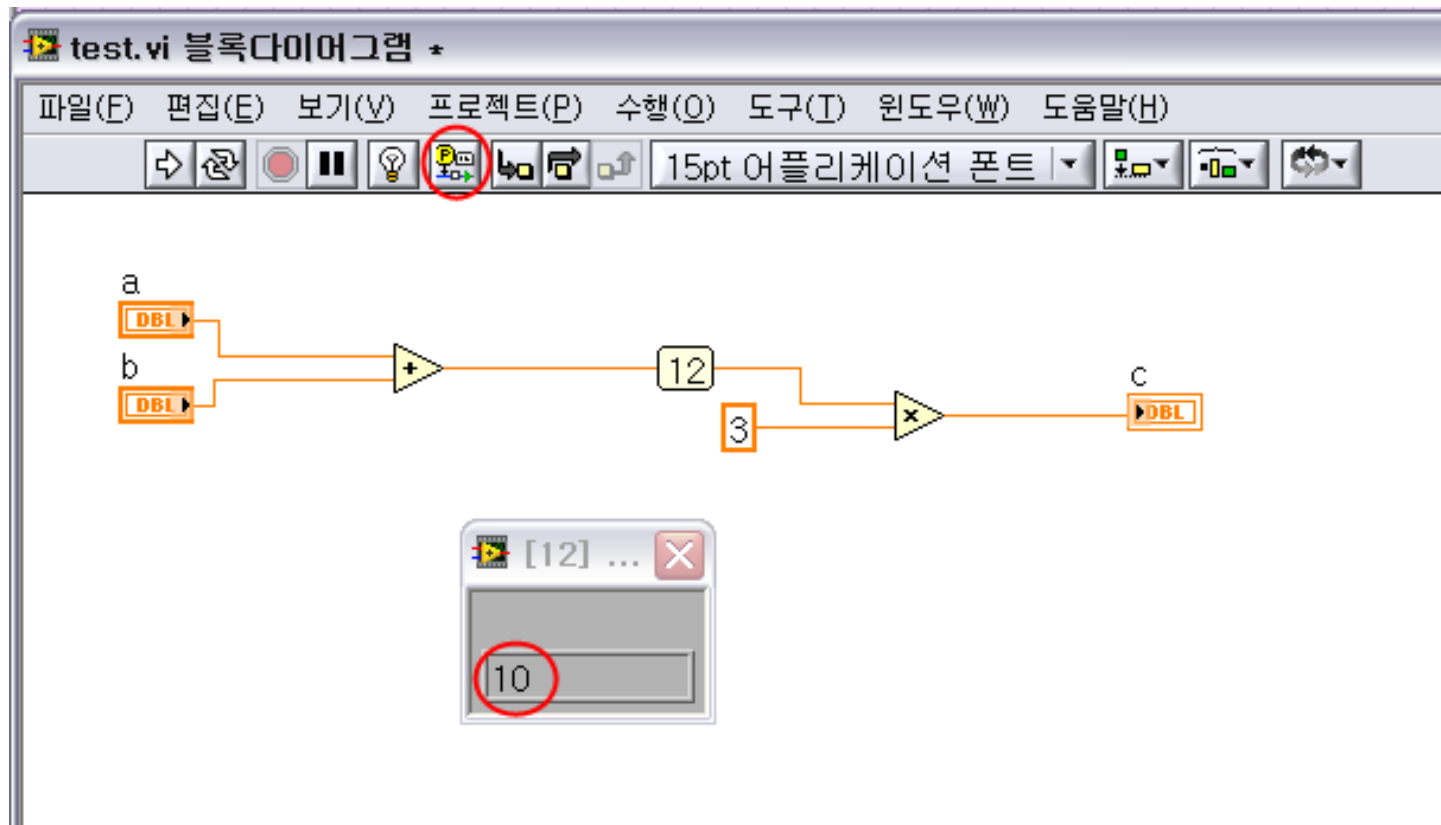
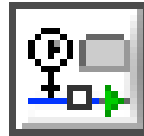


- 노드 하나씩 차례로 실행됨.

## **실습2-5-1) 단계별 실행**



# 와이어값 유지

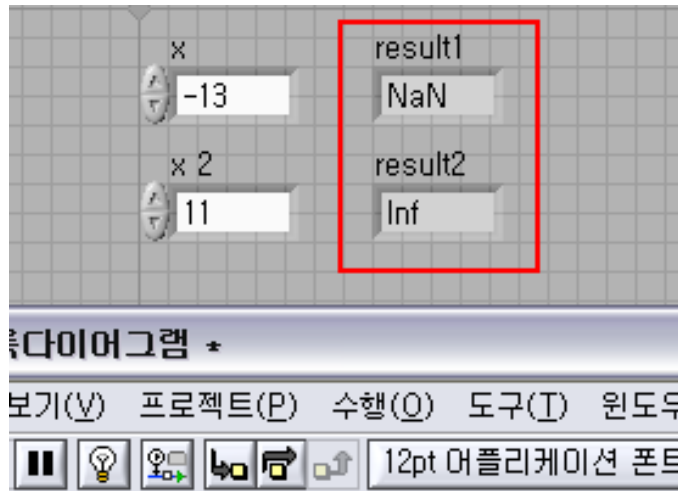


- 실행이 끝난 다음 와이어에 값이 유지되어 있음.

**실습2-6-1) 와이어값 유지**

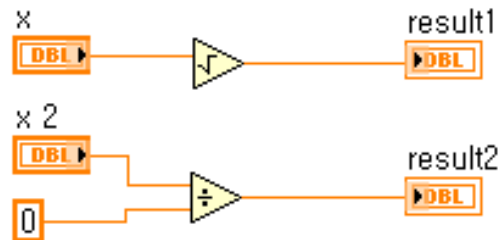


# 비정상적 데이터





• **NaN** : 숫자가 아님

• **Inf** : 무한대





# 에러클러스터

에러 입력(에러 없음)		에러 출력	
상태	코드	상태	코드
	d0		d0
소스		소스	
<div></div>		<div></div>	

- 상태 : 에러 발생 유무
- 코드 : 에러 번호
- 소스 : 에러가 발생한 노드명



# 에러 검색

