

## APPLICATION OF ADDITION IN TWO ARRAYS USING LABVIEW

The image displays the LabVIEW environment for a project titled "Ex No 8 Application of Addition in Two Arrays Using LabView.vi". The interface is split into two main sections: the front panel (left) and the block diagram (right).

**Front Panel:**

- Number of Inputs:** A numeric control set to 3.
- First Array:** A numeric array with 3 elements: 0, 2, 6, 8.
- Second Array:** A numeric array with 3 elements: 0, 3, 7, 3.
- Sum of First and Second Array:** A numeric array with 3 elements: 0, 5, 13, 11.

**Block Diagram:**

- The **Number of Inputs** control is connected to a **For Loop** structure.
- The **First Array** and **Second Array** are connected to the **For Loop** structure.
- Inside the **For Loop**, the elements of the **First Array** and **Second Array** are added together using an **Add** block.
- The result of the addition is connected to the **Sum of First and Second Array** control.

The Windows taskbar at the bottom shows the system clock as 15:10 on 06-09-2024.