/* Program for Addition of Array. */

```c
#include <stdio.h>
#include <stdlib.h>
#include <pic18f4550.h>


void main(void) {

    int i,sum,n;

    int number[] = {1,2,3,4,5,6,7,8,9,10};    // array of 10 numbers

    sum = 0;                        // initialize sum as zero

    for(i=0; i<=9;i++){                //indexing start from 0 to 9
        sum = sum+number[i];
    }

    TRISB =0;                    //initialize Port_B as output
    PORTB = sum;                    // from sum to PORT_B


}
```