**Program: addition of array of numbers**

#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

//n = 0xFF + 0XFF;

}