01 Write an Algorithm & embedded C Program for Array addition of N numbers

#include <xc.h>

#include<pic18f452.h>

void main(void) {

int i,sum;

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

sum=0;

for(i=0;i<=9;i++)

{

sum=sum+number[i];

}

TRISB=0;

PORTB=sum;

return;

}