5) Write a program to display first n elements of Fibonacci series.

```c
//Write a program to display first n elements of Fibonacci series.
#include <stdio.h>
int main (){
    printf("enter the nth element to find fibonacci : ");
    int n;
    scanf("%d",&n);
    int a=0;
    int b=1;
    int c;
    for (int i=0;i<n;i++){
        printf("%d  ",a);
        c=a+b;
        a=b;
        b=c;
    }
return 0;
}
```

```
~/Doc/dslab gcc assignment1_Q5.c                                    ✔ 29s
~/Documents/dslab ./a.out                                           ✔
enter the nth element to find fibonacci : 5
0  1  1  2  3
~/Documents/dslab ./a.out                                           ✔
enter the nth element to find fibonacci : 11
0  1  1  2  3  5  8  13  21  34  55
~/Documents/dslab ./a.out                                           ✔
enter the nth element to find fibonacci : 33
0  1  1  2  3  5  8  13  21  34  55  89  144  233  377  610  987  1597  2
~/Documents/dslab ./a.out                                           ✔
enter the nth element to find fibonacci : 13
0  1  1  2  3  5  8  13  21  34  55  89  144
~/Documents/dslab ./a.out                                           ✔
```