














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

```
1 //Write a program to display first n elements of Fibonacci series.  
1 #include <stdio.h>  
2 int main () {  
3     printf("enter the nth element to find fibonacci : ");  
4     int n;  
5     scanf("%d", &n);  
6     int a=0;  
7     int b=1;  
8     int c;  
9     for (int i=0; i<n; i++) {  
10         printf("%d ", a);  
11         c=a+b;  
12         a=b;  
13         b=c;  
14     }  
15     return 0;  
16 }
```





  ~/Doc/dslab  gcc assignment1\_Q5.c   29s

  ~/Documents/dslab  ./a.out 



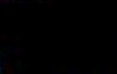

enter the nth element to find fibonacci : 5  
0 1 1 2 3

  ~/Documents/dslab  ./a.out 



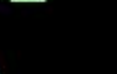
enter the nth element to find fibonacci : 11  
0 1 1 2 3 5 8 13 21 34 55

  ~/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 