```
//Fibonacci series using functions
   #include <stdio.h>
   int fibo(int n)
5 * {
6
      if(n==1)
      return 0;
8
      else
9 +
10
        if(n==2)
11
        return 1;
12
        else
13
         return (fibo(n-1)+fibo(n-2));
14
15
16 - int main() {
        int n,i,term;
17
        printf("\nEnter element counts of series:"
18
            );
19
        scanf("%d",&n);
20
        for(i=1;i<=n;i++)
21 -
22
        term=fibo(i);
23
        printf("%d,",term);
24
25
```

```
Enter element counts of series:7
0,1,1,2,3,5,8,
```

```
2 //Fibonacci series using functions
   #include <stdio.h>
   int fibo(int n)
 5 * {
 6
     if(n==1)
     return 0;
 7
 8
      else
 9 +
       if(n==2)
10
     return 1;
11
     else
12
       return (fibo(n-1)+fibo(n-2));
13
14
15 }
16 - int main() {
       int n,i,term;
17
       printf("\nEnter element counts of series:"
18
            );
       scanf("%d",&n);
19
       for(i=1;i<=n;i++)
20
21 *
      term=fibo(i);
22
       printf("%d,",term);
23
24
      }
25 }
```

Enter element counts of series:2 0,1,

n=2	n=3	fibo (5) 4 (n=5)
fibo (1)	fibo(1)	
1	1	fibo(4)+fibo(3)(2+1=3)
returno;	returno	1 Tetwen 1
1	1	fibo(3)+fibo(2)(1+1=2)
fibo(a)	fibo(2).	The Designation of the second
1	· ·	fibo(2)+fibo(1) return 1;
return 1;	return!	return 1 return 0
	1	0+1=1
	fibo(3)	
	1	2
	fibo(2)+fibo(1)	answer=0,1,1,2,3
	0+1=)	

```
2 #include <stdio.h>
                                    Type 2
 3 int first=0,second=1;
    int fibo(int n)
 5 - { int u=0, sum;
      if(n-2==u)
       return 0;
      else
      { sum=first+second;
      first=second, second=sum;
10
      printf(",%d",sum);
11
12
       return fibo(n-1);
13
14
15 - int main() {
16
        int n;
        printf("\nEnter element counts of series:"
17
            );
18
        scanf("%d",&n);
        printf("%d,%d",first,second);
19
20
        fibo( n);
21
        return 0;
22 }
```

```
Enter element counts of series:10 0,1,1,2,3,5,8,13,21,34
```

```
2 #include <stdio.h>
 3 int first=0,second=1;
4 int fibo(int n)
 5 - { int u=0, sum;
      if(n-2==u)
      return 0;
      else
 9 +
     { sum=first+second;
      first=second, second=sum;
10
11
      printf(",%d",sum);
     return fibo(n-1);
12
13
14 }
15 - int main() {
16
        int n;
        printf("\nEnter element counts of series:"
17
            );
18
        scanf("%d",&n);
        printf("%d,%d",first,second);
19
20
        fibo( n);
21
        return 0;
22 }
```

Enter element counts of series:6 0,1,1,2,3,5