```
Algorithm
int main ()
1. stout
2. Input n
3. efibonacci(n)
4. stop
int fibonacci (int n)
1. Start
2. Intialize fite1=0, file2=1.
3. if (n = = 1)
          Print fib 1
4. Usuf (n==2)
            Priest files, files
 5. else &
         Print fib1, fib2
         Repeat through 5.1
          5.1 fol (i=3; i<=n; i++)
                       fib3= fib1+fib2
                       file 1 = file 2
                       fil 2= file3
Pount file3
 6. stop.
```

Flouchaut County July int main () stout Input n atop fibonacci (n) int fibonacci (int n) Start) fib1=0, file2=1 Tru y(n==1) Print feb 1 Falor Jour Paint file 2, feb 1 Falor Pount files, file 2 Malant for(i=3; i <= n; i++ file 3 = file 2 + file 2 Print file 3 filo2 = filo3

```
C (gcc 6.3)
                                        Code gets autosaved every second
       int fibonacci(int n)
  11 - {
            int i,fib1=0,fib2=1,fib3;
  12
            if(n==1)
  13
  14 -
            {
                printf("%d\n", fib1);
  15
  16
            }
            else if(n==2)
  17
  18 -
  19
                printf("%d\t%d\t",fib1,fib2);
  20
  21
            else
  22 -
            {
  23
                printf("%d\t%d\t",fib1,fib2);
  24
                for(i=3;i<=n;i++)
  25 -
  26
                     fib3=fib1+fib2;
  27
                     fib1=fib2;
                     fib2=fib3;
  28
  29
                     printf("%d\t", fib3);
  30
                }
  31
            }
  32
 0:0
                                                                        / Custon
   Open File
Custom Input
 Status Successfully executed Date 2020-07-01 11:07:35 Time 0 sec Mem 9.424
   Input
    7
    Output
    Enter n upto which fibonacci series to be generated
```