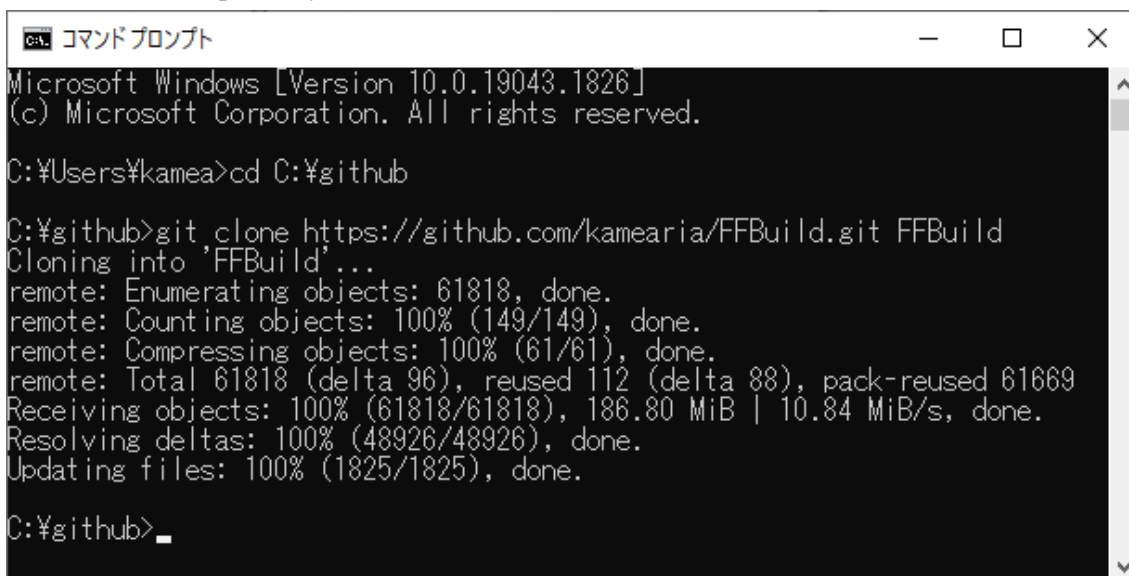


1. Github の repository をクローン



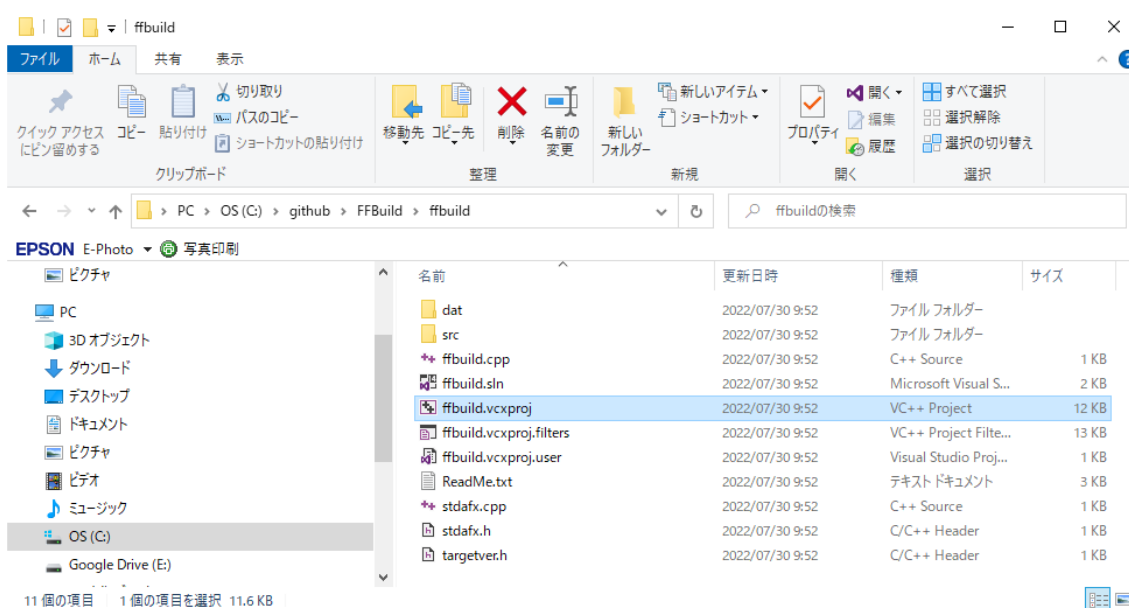
```
コマンドプロンプト
Microsoft Windows [Version 10.0.19043.1826]
(c) Microsoft Corporation. All rights reserved.

C:\Users\kamea>cd C:\github

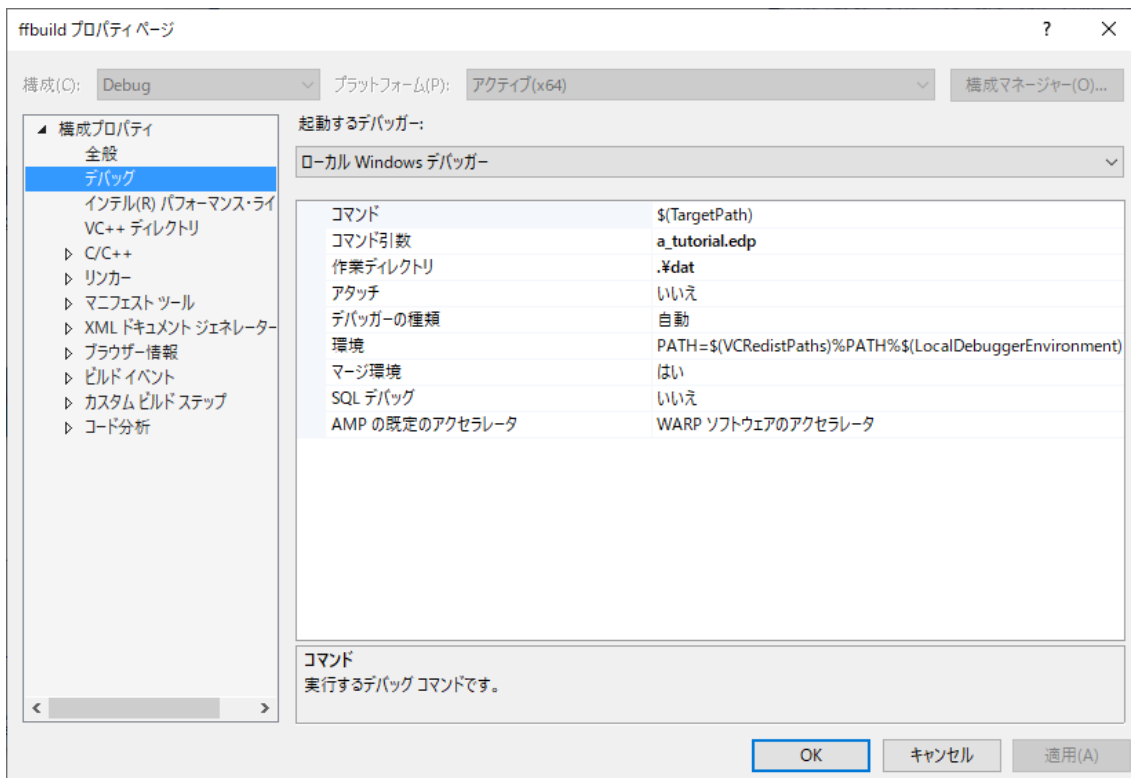
C:\github>git clone https://github.com/kamearia/FFBuild.git FFBUILD
Cloning into 'FFBUILD'...
remote: Enumerating objects: 61818, done.
remote: Counting objects: 100% (149/149), done.
remote: Compressing objects: 100% (61/61), done.
remote: Total 61818 (delta 96), reused 112 (delta 88), pack-reused 61669
Receiving objects: 100% (61818/61818), 186.80 MiB | 10.84 MiB/s, done.
Resolving deltas: 100% (48926/48926), done.
Updating files: 100% (1825/1825), done.

C:\github>
```

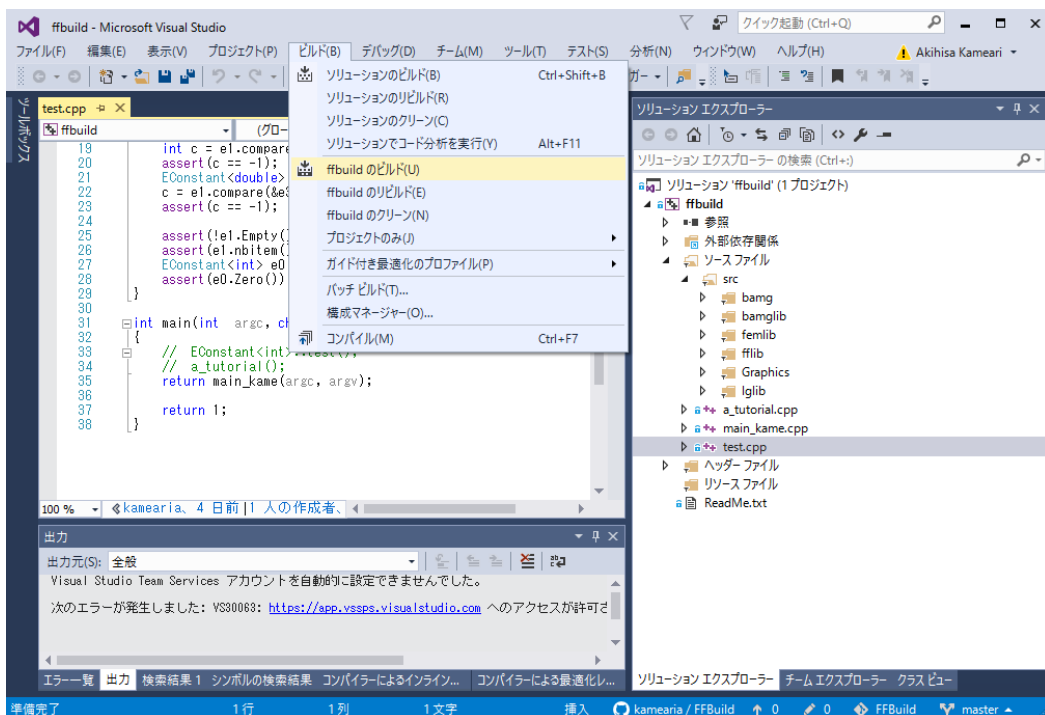
2. Visual Studio を立ち上げる。



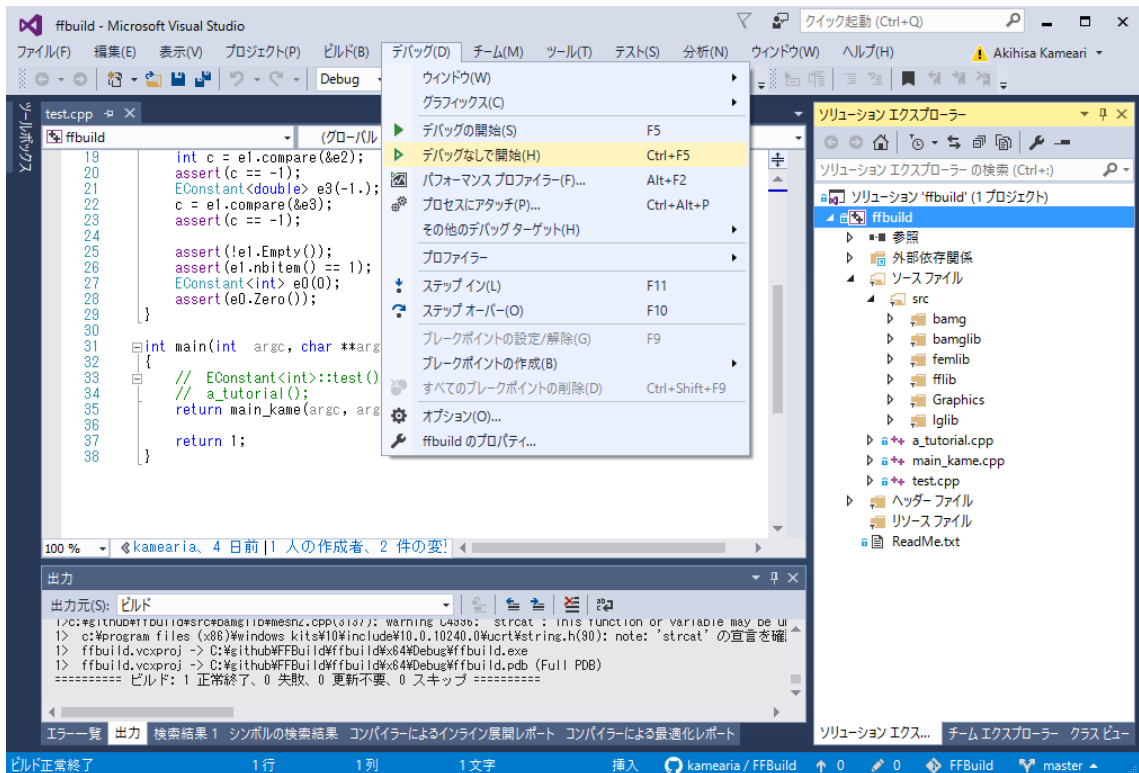
3. デバッガーの設定 (設定済み)



4. FFbuild のビルド



5. デバッグなしで開始



6. 出力

```
C:\WINDOWS\system32\cmd.exe
-- FreeFem++ v2.12.0
file : a_tutorial.edp
Load: lg_fem no UMFPACK -> replace by LU or GMRES lg_mesh3
1 : // This test shows some powerful features of FreeFEM on a
2 : // simple example:  $-\Delta(u) = 1$  in the unit circle with  $u=0$  on the
3 : // border of the unit circle. This problem has an analytical solution
4 : //  $u = (1-x^2-y^2)/4$ 
5 : // verbosity=1000;
6 : // Mesh
7 : // real pi = 4*atan(1);
8 : border a(t=0, 2*pi){x=cos(t); y=sin(t); label=1;}
9 : mesh disk= buildmesh(a(200));
10 :
11 : //plot(disk);
12 :
13 : // Fespace
14 : fespace femp1(disk, P1);
15 : femp1 u, v;
16 :
17 :
18 : // Problem
19 : problem laplace(u, v)
20 :   = int2d(disk)( // bilinear form
21 :     dx(u)*dx(v)
22 :     + dy(u)*dy(v)
23 :   )
24 :   +int2d(disk)(-1.*v) // linear form
25 :
26 :   + on(1, u=0) // boundary condition
27 :   ;
28 :
29 : // Solve
30 : laplace;
31 :
32 : // Error
33 : femp1 err = u - (1-x^2-y^2)/4;
34 :
35 : // Plot
36 : //plot(u, value=true, wait=true);
37 : //plot(err, value=true, wait=true);
38 :
39 : // Display (on terminal)
40 : cout << "u-norm R2 = " << sqrt(int2d(disk)( u^2 )) << endl;
41 : cout << "error L2 = " << sqrt(int2d(disk)( (u-(1-x^2-y^2)/4)^2 )) << endl;
42 : cout << "d-norm D10 = " << sqrt(int2d(disk)( (dx(u))^2 )
43 :   + int2d(disk)( (dy(u))^2 )) << endl;
44 : cout << "error H10 = " << sqrt(int2d(disk)( (dx(u)+x/2)^2 )
45 :   + int2d(disk)( (dy(u)+y/2)^2 )) << endl;
46 : end sizestack + 1024 =2584 ( 1560 )

-- mesh: Nb of Triangles = 6960, Nb of Vertices 3581
SkyLineMatrix: size pL/pU: 3581 218547 218547 moy=61.0296
-- Solve :
    min 1.49925e-32 max 0.250008
u-norm R2 = 0.255724
error L2 = 0.000131351
d-norm D10 = 0.626483
error H10 = 0.00940587
times: compile 0.104s, execution 3.196s, mpirank:0
CodeAlloc : nb ptr 1069, size :126336 mpirank: 0
Ok: Normal End
続行するには何かキーを押してください . . .
```