```
>> t = tiemeit(Poisson1D2(101,@phi,@f))
'Poisson1D2' is not found in the current folder or on the MATLAB path, but exists in:
    C:\Users\Dell\Documents\Curso_Computo_Cientifico\Poisson\1D

Change the MATLAB current folder or add its folder to the MATLAB path.

>> t = tiemeit(Poisson1D2(101,@phi,@f))
Unrecognized function or variable 'tiemeit'.

Did you mean:
>> t = timeit(Poisson1D2(101,@phi,@f))
Error using timeit (line 38)
First argument must be a function handle that takes no input argument.

>> x = @() Poisson1D2(101,@phi,@f);
>> t = timeit(x)

t =

    0.2149

>> x = @() Poisson1D2(11,@phi,@f);
>> t = timeit(x)

t =

    0.0029

>> x = @() Poisson1D2(1001,@phi,@f);
>> t = timeit(x)

t =

   33.6050

>> t = MedTiempo(3);
'MedTiempo' is not found in the current folder or on the MATLAB path, but exists in:
    C:\Users\Dell\Documents\Curso_Computo_Cientifico\Poisson\2D

Change the MATLAB current folder or add its folder to the MATLAB path.

>> t = MedTiempo(3)
Conversion to double from function_handle is not possible.

Error in MedTiempo (line 10)
    t(i) = t1t;

>> t = MedTiempo(3)
Unable to perform assignment because the left and right sides have a different number↙
of elements.

Error in MedTiempo (line 10)
    t(i) = t1t;

>> t = MedTiempo(3)
```

```
61  subplot(1,2,1)                          % Se divide la grafica en 2.
K>> t = MedTiempo(1)
2   f = 10.*exp(2*x+y);
>> MedTiempo
Not enough input arguments.

Error in MedTiempo (line 5)
tx = zeros(n);

Unrecognized function or variable 'n'.

Error in MedTiempo (line 5)
tx = zeros(n);

>> Poisson2D2
Not enough input arguments.

Error in Poisson2D2 (line 25)
x = linspace(0,1,m)';                   % Se crea la discretizacion en x.

>> Poisson2D2
Not enough input arguments.

Error in Poisson2D2 (line 25)
x = linspace(0,1,m)';                   % Se crea la discretizacion en x.

>> [phi_approx,phi_exacta,x,y] = Poisson2D2(11,@phi,@f);
>> tt = @() Poisson2D2(11,@phi,@f);
>> t = timeit(tt)

t =

    0.0692

>> t1t = @() Poisson2D2(11,@phi,@f);
    t = timeit(t1t);
>> t1t = @() Poisson2D2(11,@phi,@f);
    t = timeit(t1t)

t =

    0.0709

>> t1t = @() Poisson2D2(101,@phi,@f);
    t = timeit(t1t)

t =

   55.7665

>> t = MedTiempo(1)
46              t = (1/4)*(phi_approx(i-1,j) + phi_approx(i+1,j) + phi_approx(i,j-1) +↙
phi_approx(i,j+1) - h^2*f(x(i,j),y(i,j)));
>> t = MedTiempo(1)
```

```
t =

    0.0663

>> t = MedTiempo(3)

t =

    0.0666         0         0
    0.1421         0         0
    6.9774         0         0

>> t = MedTiempo(3)

t =

    0.0659         0         0
    0.1412         0         0
    0.4816         0         0

>> [t,tx] = MedTiempo(3)

t =

    0.0658
    0.1440
    0.4804


tx =

    10
    20
    30

>>
```