

```
function [yt] = odesolver(a,b,y0,N,f,argf,option)
%initial time a, final time b, initial condition y0
%number of steps N (b-a=N*h), function that defines the IVP f
%argf is a vector stacking all parameters required by f, set argf=[] if no
%parameters are involved in f
%option is a string specifying the method being used, which can be 'euler',
%'midpoint', or 'meuler', use command switch..case
%yt is a vector containigng all approximations of the solution at given
%times ti

end
```