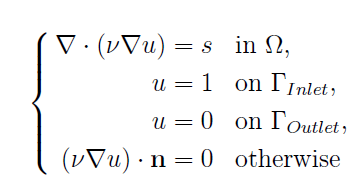
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| Poisson problem in C++ |
| Programming for Engineers and Scientist |
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| **Sònia Garrido Ballart** |
| **Alba Navarro Casanova** |

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# Statement of the Problem

We are asked to implement a FE code for Poisson problem using C++ in a similar way as we did in the first assignment of the course.

The problem that we aim to solve is:



Where the source term s = 0 and the diffusivity ν = 1 are given.

The main difference with the Matlab code that we have developed in the first part of the course is that the code has to be adapted to the C++ language and we are explicitly asked to write and object oriented program. In the following section we will explain which classes are created and how the program is structured.

# Structure of the Program