

C++ code 3.2.6: Constructor of class **QFEPProviderTester** → [GitLab](#)

```
2 template <If::assemble::EntityMatrixProvider ENTITY_MATRIX_PROVIDER>
3 QFEPProviderTester<ENTITY_MATRIX_PROVIDER>::QFEPProviderTester(
4     const If::assemble::DofHandler &dofh,
5     ENTITY_MATRIX_PROVIDER &element_matrix_provider)
6     : dofh_(dofh), element_matrix_provider_(element_matrix_provider) {
7     // Assemble the Galerkin matrix and store it into A_
8     const If::base::size_type N_dofs(dofh.NumDofs());
9     If::assemble::COOMatrix<double> mat(N_dofs, N_dofs);
10    If::assemble::AssembleMatrixLocally(0, dofh, dofh, element_matrix_provider,
11                                         mat);
12    A_ = Eigen::SparseMatrix<double>(mat.makeSparse());
13 }
```