Preparation of homework assignments with Visual Studio Code

The instructions are given for the first homework assignment. Other homeworks are similar.

Open the folder \CPP with VS Code. Open the file \CPP\CMakeLists.txt, which is the file where you wrote your your-andrew-id. Uncomment the line

```
# add_subdirectory(test_set1)
```

that is, remove #. Configure the project with (Ctrl+Shift+P) and (CMake: Configure) and then build it with (F7). You will see error messages:

```
...
[build] Main.cpp: undefined reference to 'prb::NInterp::linear()'
[build] Main.cpp: undefined reference to 'prb::NInterp::cspline()'
[build] collect2: error: ld returned 1 exit status
...
```

The functions prb::NInterp::linear() and prb::NInterp::cspline() declared in \CPP\prb\Interp.hpp have not been implemented yet. This is what you need to do! The .html documentation for these functions is distributed with the course package and can be extracted from doc.zip.

Create the file Interp.cpp in the directory \CPP\prb\Src and implement the requested functions. Configure the project with (Ctrl+Shift+P) and (CMake: Configure), compile with (F7), and run with (Shift-F5).

If everything works fine, then the file test_set1.txt will be created in the directory FC-III\CPP\build\output. Check that the first line of this file contains your-andrew-id.

Submit your Interp.cpp and test_set1.txt files using Canvas.

Remark 1 *You can modify the file Interp.cpp later while working on Homework 2. This is OK. Submit an updated file with Homework 2. Same remark holds for other homeworks. Of course, your new file should still implement the functions from previous homeworks.*

Remark 2 *The homeworks are inter-dependent. Start working on Homework 5 only after you have finished with Homeworks 1–4.*