
AdaCore

Start GPRBuild

- Open a command shell
- Go to 020_building_with_gprbuild directory (under source)
 - Contains a main procedure and a supporting package for the "8 Queens" problem
- Use an editor to create minimum project file
 - Name the project anything you wish
 - Filename and project name should be the same
- Build Queens using gprbuild and the project file as-is
 - Use -P argument on the command line to specify project file
 - Must also specify file name on command line to get executable
 - * For example: `gprbuild -P lab.gpr queens`
- Clean the project with gprclean
 - Use -P argument on the command line to specify project file
 - Note that the queens.exe executable remains
 - * Plus (possibly) some intermediate files

GPRbuild Lab - Simple GPR File

```
project Lab is
end Lab;
```

gprbuild -P lab.gpr Only compiles source files

gprbuild -P lab.gpr queens Compiles source and creates queens executable

gprclean -P lab.gpr Deletes ALL and object files for Queens and Queens_Pkg

GPRbuild Lab Part 2

- Change project file so that it specifies the main program
- Build again, without specifying the main on the command line
 - Use only -P argument on the command line to specify project file
- Clean the project with gprclean again
 - Note the queens executable is now also deleted (as well as any intermediate files)

GPRbuild Lab - Main Program Specified

```
project Lab is
  for Main use ( "main.adb" );
end Lab;
```

gprbuild -P lab.gpr Compiles source and creates queens executable

gprclean -P lab.gpr Deletes all generated files