

Object-Oriented Programming 2

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Exercises 0

1. Git Installation

Make sure Git is installed on your machine. If not, download it from <https://git-scm.com> and install the software. If you are familiar to the command line, use the `git clone` command to clone the course repository from

```
https://github.com/BTI7055-ObjectOrientedProgramming/FS18-Documents.git
```

to your computer.

2. Installation of GitHub Desktop (optional)

You may want to install the GitHub Desktop application from <https://desktop.github.com> to get a convenient graphical tool for managing your GitHub repositories. Use it to clone the course repository to your computer using the link given above.

3. Cloning the GitHub Repository

Select **Window** » **Show View** » **Other** » **Git** » **Git Repositories**. A new view will open up somewhere in your workspace. Select in the view's menu **Clone a Repository**. Enter the path of your repository as indicated on the GitHub web page:

```
https://github.com/BTI7055-ObjectOrientedProgramming/FS18-Project-XX.git.
```

Select the master branch and enter your GitHub user name and password. Choose a location on your local disk to store the repository (not inside the Eclipse workspace) and click **Finish**.

4. Moving Existing Code to the GitHub Repository

Assuming you have already a Java project in your workspace, you need to transfer it to the Git/GitHub repository. In the context menu of the project, select **Team** » **Share Project**. Select the repository and click on **Finish**. Eclipse will now move all project files to the repository directory.

Then you need to commit them to the repository and push them to the GitHub server. For this select **Team** » **Commit** in the project's context menu. Select all files and enter a commit message. Click on **Commit and Push** or **Commit** (and select **Team** » **Push** separately).

5. Setting Up a GitHub Java Project on Another Machine

You can clone the repository as explained above or do everything in one step. In both cases, select **File** » **Import** » **Git** » **Projects from Git**. If you have cloned the repository before, select **Existing local repository**, otherwise select **Clone URI**. Follow the instructions. When asked for selecting a wizard, select "Import existing Eclipse projects".

6. Simultaneous Collaboration

If you work with a partner, make sure to get the latest changes before starting a new development session. For this, select **Team** » **Pull** in the project's context menu. After finishing your session, commit your changes to your local repository and push them to the GitHub server.