

IBL 2305

Software Design and Development laboratory practical

WEEK 3: 18th October 2021

“TOOLS” FOR SOFTWARE DEVELOPMENT

1.0 Git Version Control

Watch the following Videos to get introduced to Git Version Control

- https://www.youtube.com/watch?v=SWYqp7iY_Tc
- <https://www.youtube.com/watch?v=xQujH0EITUg>

Read the following tutorial article to be introduced to Git

- <https://www.freecodecamp.org/news/what-is-git-and-how-to-use-it-c341b049ae61/>

REFERENCES

<https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>

1.1 Exercise - Git Version Control

1. Install Git on your computer <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>
2. Go to <https://github.com/> and create an account.
3. Clone the repository <https://github.com/TUK-IBL-2305/ibl-2305-version-control-intro>
4. Create a branch **named after your student number** eg scci_00xxx_2019
5. Add a file **named after your student number eg** scci_00xxx_2019.txt
6. Copy contents of the file 114835.txt into your file above; change the contents to your name and reg number.
7. Commit the file and push your changes
8. Create a Pull Request

2.0 IDE Integrated Development Environment

Read the following article to be introduced to IDEs

<https://www.freecodecamp.org/news/what-is-an-ide-in-programming-an-ide-definition-for-developers/>

EXERCISE: Install an IDE of your choice

In for this class we will use Visual Studio Code a.k.a VSCode
Download and install VS Code <https://code.visualstudio.com/>

Watch the following video to be introduced to VS CODE
<https://www.youtube.com/watch?v=VqCgcpAypFQ>

3.0 Collaboration & Communication

- Slack - <https://slack.com>
- Microsoft Teams - <https://www.microsoft.com/en-us/microsoft-teams/group-chat-software>
- Skype - <https://www.skype.com/en/>
- Email
- etc

We will introduce more tools when need arises ...