

## 2.1P: In Person Check-in 1 – Answer Sheet

1. Briefly describe your prior experience with programming, e.g., industrial experience and which programming units/online courses you have studied.

During my university studies, I have learned C++ and Ruby, and I am currently studying C#. Additionally, I have gained a broad understanding of Python.

Through self-study, I have expanded my knowledge by learning Python, C, C++, and JavaScript. At present, I am focusing on C# to enhance my career growth.

2. What do you think will be most challenging about object-oriented programming? In addition, what skills/goals do you expect to gained after studying this unit?

I believe the most challenging aspect of object-oriented programming (OOP) is the design process. While writing OOP code is easy to write, designing an efficient, maintainable, and scalable system is much more complex. This is similar to designing a SQL database, for example: once the structure is finalized and development has begun, making changes can be difficult. OOP follows a similar principle; a well-designed system simplifies development and maintenance, but achieving that design requires careful planning.

3. What can you do to prepare yourself for that challenge (resources you can use, approach to studying etc.)?

To prepare for this challenge, I primarily use roadmap.sh as my main reference for structuring my learning topics. Additionally, I use ChatGPT as a learning assistant to help me understand concepts more effectively.

My approach begins with asking ChatGPT specific questions using a structured prompt designed by a Microsoft Software Engineer, which was shared for learners on YouTube. I also request ChatGPT to include references, such as official documentation, in its responses. This allows me to first gain a broad overview of a topic in a simple and clear manner before diving deeper into the original documentation for a more detailed understanding.

Throughout the learning process, I continuously ask questions related to the topic, such as how it works, how to use it, why it is necessary, and how to compares to related concepts. This method helps me develop a deeper understanding as my curiosity drives my learning process.

4. Is there anything you think the teaching staff should know to best help you this semester?

We already have an excellent lecturer who consistently supports students in every aspect of their learning.

However, to enhance clarity and ensure a more comfortable learning experience, I would appreciate it if the lecturer could explain assignment instructions in a very clear and structured manner. While the lecturer already provides thorough explanations, the instructions from Swinburne can sometimes be confusing due to their non-linear structure, where certain parts do not always clearly relate to previous or later instructions. Clarifying these aspects would greatly help in understanding and completing assignments more effectively.