Week 1 Practical 1: Kotlin Basics and Functions

1. List the names of all programming languages you have previous experience with and state how confident are working with each one on your own. (highly, moderately, or limited)

- Python(moderately), Java(limited), JavaScript(moderately), SQL(moderately), Bash(moderately), CSS(moderately), HTML(moderately)

1. What kind of debugging techniques are you familiar with? How confident are you in using each debugging technique? (highly, moderately, or limited)

-Testing incrementally and thoroughly(highly), Version control(moderately), Identifying errors(moderately), Backtracking(moderately), Cause elimination(moderately), Analysing output(moderately), Breakpoints(moderately)

1. What kind of problem-solving techniques are you familiar with? How confident are you in using each problem-solving technique? (highly, moderately, or limited)

– Breaking down the Problem(highly), Debugging(moderately), Pseudocode(highly), Rubber Duckie/ talking it out(highly)

1. How important is code readability? (highly, moderately, or limited) Please explain the reason for your response on code readability.

– Code readability is highly important as it allows yourself and others(if collaborating or taking over) to understand what the code does and what the parts of the code execute without running the code

1. What kind of Data structures and algorithms are you familiar with (e.g., stacks, queues, lists, sets, string processing, inheritance)? How confident are you applying each kind? (highly, moderately, or limited)

– Arrays(moderately), Lists(highly), Stacks(moderately), String processing(moderately), Queues(moderately), Inheritance(moderately), Tables(highly), Trees(highly), Searching(highly)

1. Provide a short description about a program that you created previously/recently.

– A hotel booking web app that could be used as a sellable template.

1. Are you required to take this subject as a part of your degree?

– Yes

1. What do you hope to learn from this subject?

– How to make Android apps for myself or others if I need to, as well as just to have it as a skill I can call on.

**Reflection;**

This week was the Introduction to Kotlin this was done by reviewing the lectures, following the practical and attempting the weekly quiz. I felt stressed due to the initial volume of work, but this also due to external factors. I will need to continue practice Kotlin to be proficient with using it as just reading about it isn’t enough for me to actually learn it. I will continue to complete the pracs and assessment as well as I can and will attempt to create additional project for myself to get a better grasp of the language.