**CP3406\_CP5307 – Practical 3 Exercises**

Follow through and complete the tasks below.

**Task 1: Tip Calculator App – 60mins**

Work on the first two codelabs for this week, which walk through the creation of a Tip calculator app. In the first set of tasks, you will create the user interface components and explore the relevant sections of Android Studio for designing an app’s screen(s). In the second set of tasks, you’ll implement the functionality of the app so that it can get user input and display output, according to the requirements of the app.

**Task 2: RecyclerView – 40mins**

Work on the third codelab for this week, which walks you through the recommended way to display lists in an app using RecyclerView. **After you complete the basic app explained in the codelab, it is recommended that you challenge yourself to try and add additional information to the list (e.g., images, secondary text and/or other views), and submit these additions as part of your practical submission.**

**Task 3: Self-reflection and Progress Demonstration – 20mins**

After completing the practical exercises, spend some time reflecting on how well you did, what things you had trouble with, what things were easy for you, what other things you might be interested in learning about. If there is a specific learning experience you want to write about in some detail, we encourage you to use the **Gibbs’ model of self-reflection**. See [here](https://www.ed.ac.uk/reflection/reflectors-toolkit/reflecting-on-experience/gibbs-reflective-cycle) for a discussion about Gibbs’ model plus an example.

**Steps:**

1. Create a short screencast (~2mins) demonstrating your practical work
2. Write a short self-reflection using the techniques described above (at least 100-300 words)
3. Add your screencast and a zip file of your project as the submission for this practical
4. Add your self-reflection into the “Self-reflections” Journal on the Mobile tech LearnJCU site