

EXTENSION EXERCISES

JAVAJAVA EXTENSION SUGGESTIONS

Here we would like to suggest some possible extension exercises that you may want to do in order to build you knowledge of java up further. These are in no order and you can pick and choose the exercises that interest you the most – but do try to attempt them all, you never know when you will come across something that will catch your interest!

- 1) You may wish to explore the areas of Swing and Processing in some more depth- both are related to object oriented programming and help you visually make something with the Java that you have learned! You can look at our projects page for more information on this. As an extension exercise after looking at the project pages, you may wish to try make your own game such as ping pong or brick breaker.
- 2) Java is useful because of its many practical applications, try and make an address book which allows you to make and delete entries for categories such as name, address, postcode, house number etc. If you need help look at the exercises where we made a Chemical Element program to aid you.
- 3) Java is used extensively when making Android apps, with your concepts of Java now sound, you may be interested in looking into how to make an app! For this you will need to pick up some further syntax and practices used in Android apps such as creating pages and buttons etc. However try and make a simple app for whatever purpose you want. Initially a lot of your content will be static but try and build this skill up over time.
- 4) Make a math homework helper program, which will take in a range of questions from the syllabus you have been taught so far and then take user inputs for the parameters of the questions and give you the answers, with the steps in between also printed out. This project has the advantage of being very useful afterwards!