

What is this?

This project contains a packaged `HSA-deps.jar` file containing the HSA libraries used in Ready to Program. The project comes preconfigured for you, but you need to install a JDK to use it (explained under Setup).

Quick warning

You are advised to ALWAYS run your program in Ready To Program before submitting, to ensure your code works as expected when teachers use it!

If you have followed the instructions below correctly, it is unlikely issues will occur, but you can never be too sure. One specific thing to look out for: when creating animations in HSA Console, make sure they run at the same speed in Ready to Program, as things may run slower in IntelliJ.

Handing code in and working on new projects

To hand your code in, simply submit the appropriate .java files in `src`, as well as any other resources like text documents you may need to read.

When you start working on another project, add the java files you need into your `src` folder. Be sure to move your old java files into another folder. You will find an `archive` folder for this purpose. If you do not do this, you may get errors about conflicting classes! Feel free to organize your archive as you wish.

Get help

Please contact us in the MCPT Discord server at <https://mcpt.ca/discord> if you experience any issues.

Setup

JDK

Set up your project JDK as explained [here](#).

Please use `AdoptOpenJDK 1.8`, later Java versions do not support targeting java 1.4. If for whatever reason IntelliJ's built in installer fails, please manually install the Oracle Java JDK 1.8.

Run configurations

If you are able to run the `Run Main` configuration (top right corner) without issues, you should be okay! Do note, the configuration is only set up for a class named `Main`.

If you wish to use a different class, you can let IntelliJ create a configuration for you, by clicking on the arrow next to the class' main method. **If you are reading/writing files**, you need to click `Edit Configuration` and set `Working Directory` to `./src`. Otherwise IntelliJ will not be able to read files next to your java file!

You may also click on the `Run Main` configuration, then `Edit Configurations`, then change the main class to use a different one.

Extra Info

To use the libraries in the HSA-deps jar, we must add it to the classpath. The project comes preconfigured with the jar added, but you can learn how to add it manually [here](#).

The project also limits language features to Java 1.4. You also can manually set this under `Project Settings > Project Language Level`. IntelliJ unfortunately no longer supports the Java 1.4 JDK, so you must use a later Java version and set the target this way. If we don't do this, you may accidentally get suggestions for Java features that do not exist on Ready to Program.