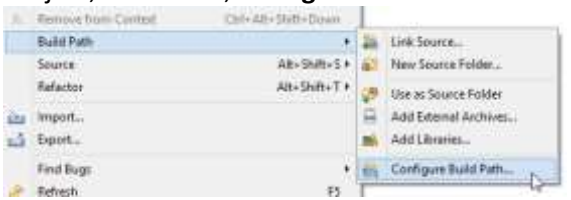
Java tools reference card

Configuration	Java Developer Kit	Maven	Eclipse

*How to specify the **main class** of the project?*	`java` **`package.Class`**	`mvn exec:java`
		`-Dexec.mainClass=`
		`"package.Class"`
			Run, Run Configurations
			Java Application, Main,
			Main class

*How to specify **arguments**?*	`java package.Class` **`arg0 arg1`** …	`mvn exec:java …` `-Dexec.args=`**`"arg0 arg1 …"`**	Run, Run Configurations Java Application, Arguments, **Program arguments**

*How to specify Java **V**irtual **M**achine **arguments**?*	`java` **`-Dname=value`** …	`<jvmSettings>`
		`  <extraArguments>`
		`  <extraArgument>`**`-Dname=value`**`</extraArgument>`
		`...`
		`  </extraArguments>`
		`</jvmSettings>`
			Run, Run Configurations
			Java Application, Arguments,
			VM arguments

*How to specify the **class path**?*	(win) `java -cp .;..\lib.jar`
	
	(nix) `java -cp .:../lib.jar`
		`<dependencies>`
		`  <dependency>`
		`  <groupId>...`
		`  <artifactId>...`
		`  <version>...`
			Project, Build Path, **Configure Build Path**
			 
			Libraries
			Add JARs / Add External JARs / Add Library / Add Class Folder / Add External Class Folder

Maven and Eclipse are integrated through m2eclipse plugin – Maven goals can run from Eclipse. Maven commands' output can be viewed in Eclipse. Maven dependencies can be updated in Eclipse, and Maven builds can be launched within Eclipse.