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| --- | --- |
| 01. | Copy project folder **"HW\_27"**to **"HW\_28"**and import it to Eclipse. |
| 02. | Modify artifactId & name: |
| 03. | Change default JRE to JDK 1.8 162 |
| 04. | Add dependancy: Jcommander 1.72 |
|  | [**https://mvnrepository.com/artifact/com.beust/**](https://mvnrepository.com/artifact/com.beust/)**jcommander**  **.** |
| 05. | Add fat jar plugin: maven-assembly-plugin:jar-with-dependencies 3.1.0 |
|  | [**http://mvnrepository.com/artifact/org.apache.maven.plugins/**](http://mvnrepository.com/artifact/org.apache.maven.plugins/)**maven-assembly-plugin**  **.** |
| 06. | Create the following Java classes (6): |
|  | **CLA\_S.java**  **CLA\_M\_Add.java**  **CLA\_M\_Sub.java**  **CLA\_M\_Mult.java**  **CLA\_M\_Div.java**  **CLO\_Calc.java**  **.** |
| 07. | Classes: **CLA\_S.java** |
|  | **$ java -cp ./target/HW\_28-1.0.jar core.CLA\_S "Your name"**    **> Hello [Your name]** |
| 08. | Classes: **CLA\_M\_Add.java** |
|  | **$ java -cp ./target/HW\_28-1.0.jar core.CLA\_M\_Add 2 4 5.6**    **> 11.60** |
| 09. | Classes: **CLA\_M\_Sub.java** |
|  | **$ java -cp ./target/HW\_28-1.0.jar core.CLA\_M\_Sub 12 4 1.3**    **> 6.70** |
| 10. | Classes: **CLA\_M\_Mult.java** |
|  | **$ java -cp ./target/HW\_28-1.0.jar core.CLA\_M\_Mult 3 7 12 4**    **> 1008.00** |
| 11. | Classes: **CLA\_M\_Div.java** |
|  | **$ java -cp ./target/HW\_28-1.0.jar core.CLA\_M\_Div 512 2 8 15**    **> 2.13** |
| 12. | Classes: **CLO\_Calc.java** |
|  | **$ java -cp ./target/HW\_28-1.0-jar-with-dependencies.jar core.CLO\_Calc --operator + --operands 2 4 5.6**    **> 11.60**      **$ java -cp ./target/HW\_28-1.0-jar-with-dependencies.jar core.CLO\_Calc --operator - --operands 22 3 4.3**    **> 14.70**      **$ java -cp ./target/HW\_28-1.0-jar-with-dependencies.jar core.CLO\_Calc --operator '\*' --operands 15 11 3.2 4**    **> 2112.00**      **$ java -cp ./target/HW\_28-1.0-jar-with-dependencies.jar core.CLO\_Calc --operator / --operands 153 11 2 2.2**    **> 3.16** |