



Exercise 5 - Aspects

Task:

- 1) Implement an aspect oriented program using ApectJ or any other aspect weaver suited for your program. For Eclipse, you could use AJDT, see <https://eclipse.org/ajdt/> for a description and installation instructions.
 - a) Implement a simple program having at least two classes and a few method calls among them.
 - b) Add a logging aspect to your program which logs any method call in your program to the console.
 - c) Add an authentication aspect which asks for every call for a user name and password.
- 2) What is the set of join points and what is the set of pointcuts important in task 1)?

How to install AJDT in eclipse:

- 3) Go to <https://eclipse.org/ajdt/downloads/> and look for the right link for your eclipse version. For Mars it is <http://download.eclipse.org/tools/ajdt/45/dev/update/>
- 4) Open eclipse
- 5) Navigate to Help->Install new Software
- 6) Click "add" and insert the link from above to the "Location" field. Enter a meaningful name like AJDT in the "Name" field and press ok.
- 7) Select your entry in "Work with" section
- 8) Select all packages and click next. Finish the Wizard.
- 9) In the end you have to restart Eclipse.