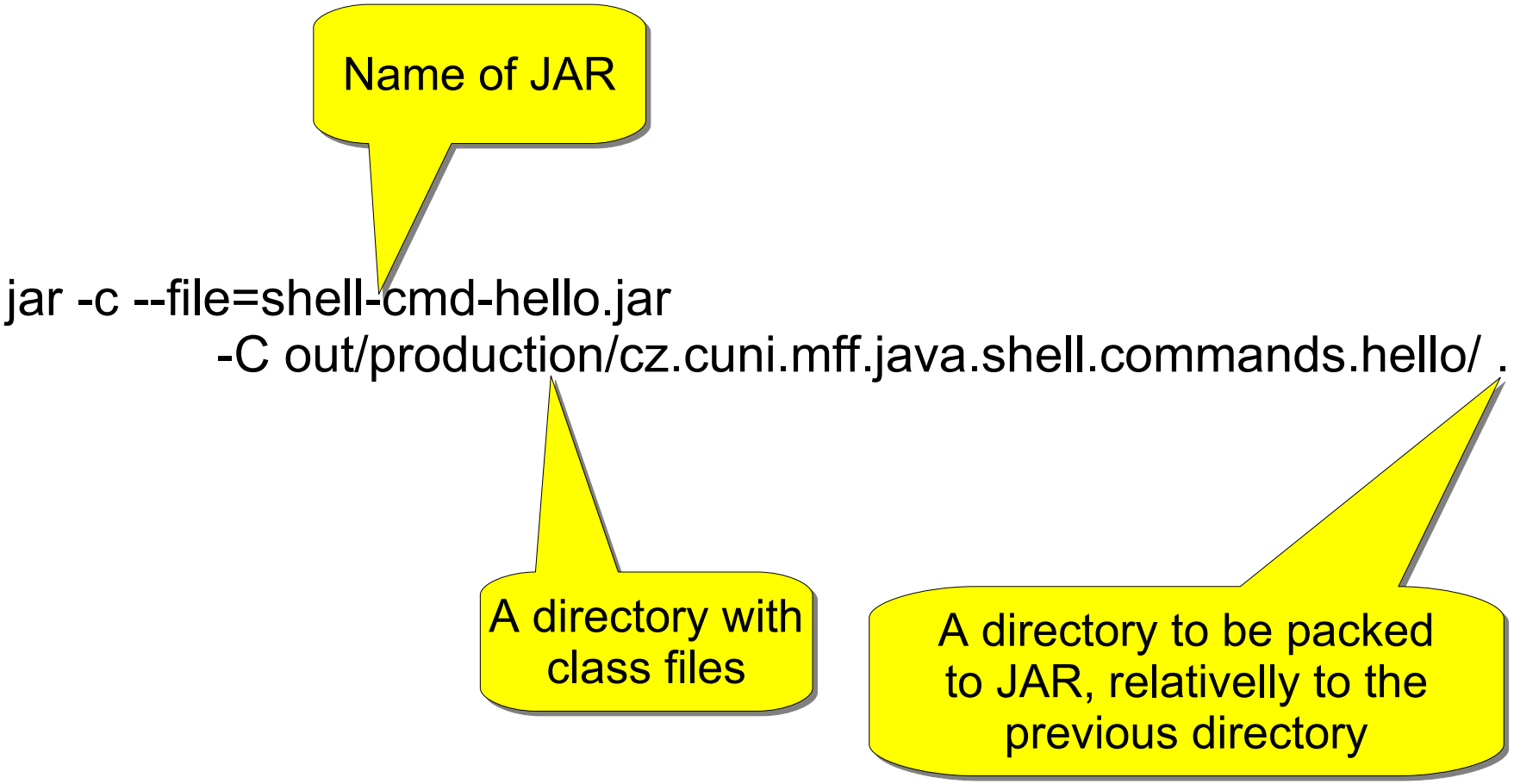
Exercise 1

- Update the Shell from the third practicals (commands loaded via the ServiceLoader) to be a modular application
  - commands still loaded via the ServiceLoader
  - i.e. create a module from the Shell core
    - contains the Command interface and Main
      - the interface in an exported package, Main in an un-exported package
    - in the module-java.info, declares usage of Command interface implementations
  - a module for each command
    - in the module-java.info, declares the implementation of the Command interface

Assignment 1

- help – how to create modular jar



Example 2

- Create an HTTP server
  - works with a regular browser
  - understands the HTTP 1.0 protocol
    - request

```
GET /stranka.html HTTP/1.0
Host: www.web.org
*other headers*
*empty line*
```

    - response

```
HTTP/1.0 200 OK
*empty line*
*body of the answer*
```

  - server content – a directory set as a parameter at launching

Example 3

- To the HTTP server, add support for dynamic content
  - in addition to static pages, the server can launch scripts and returns their results
  - scripts – via Scripting API
    - all, that can be found through Scripting API
      - in addition to the default JS, download another engine
    - the server decides based on the file extension, whether to return it or launch as a script
    - try passing variables from Java to a script
      - e.g. the required URL