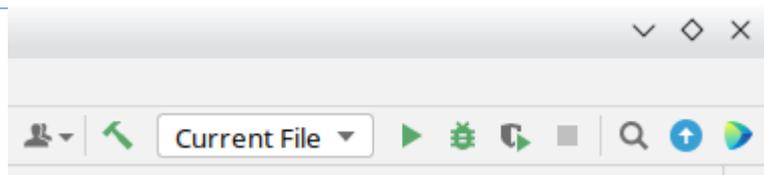


# Intellij IDEA

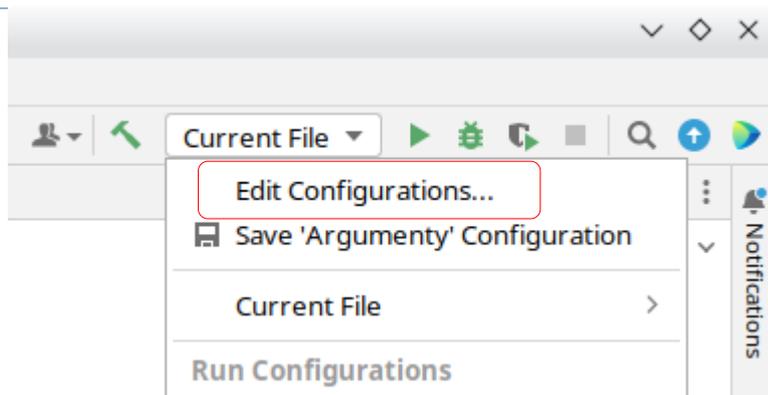
Vladislav Novák

# Nastavenie spustenia programu

---



# Nastavenie spustenia programu



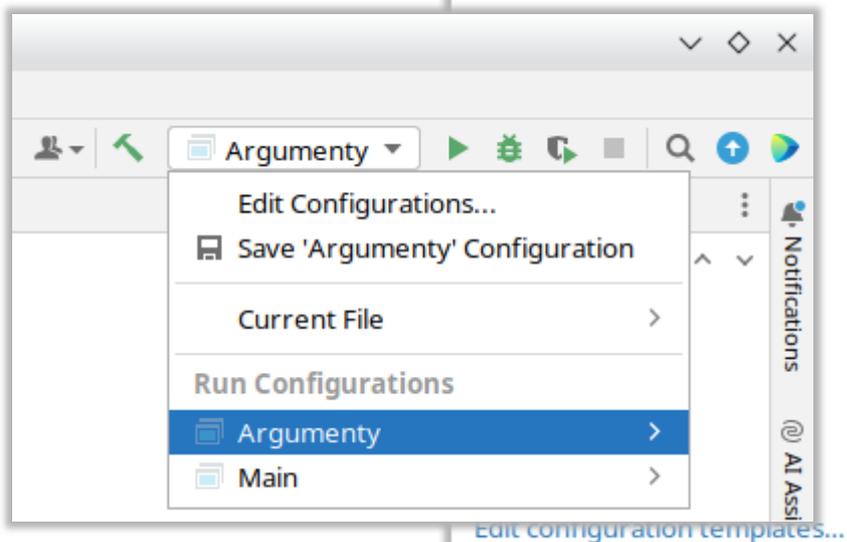
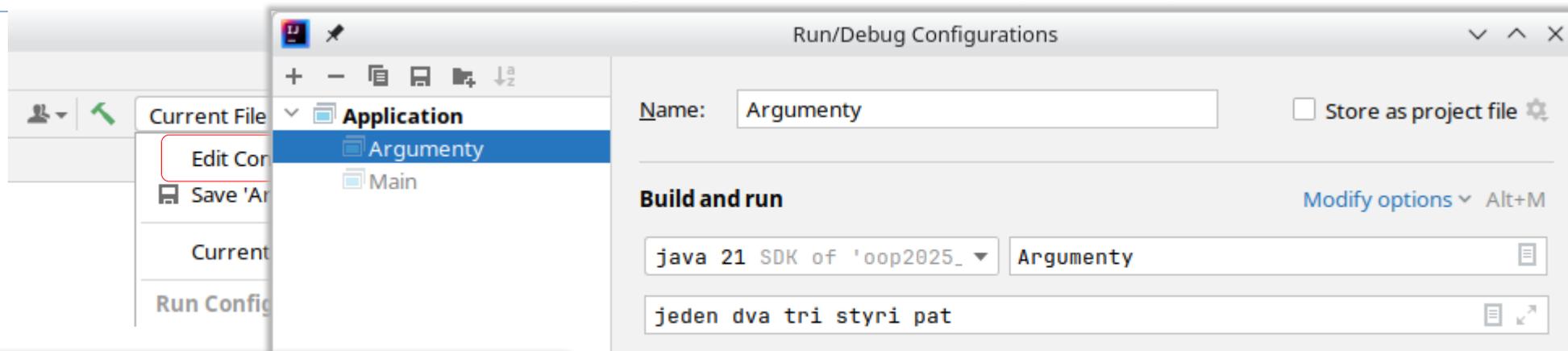
# Nastavenie spustenia programu

The screenshot shows the 'Run/Debug Configurations' dialog in IntelliJ IDEA. On the left, a tree view shows a project structure with 'Application' expanded, containing 'Argumenty' and 'Main'. The 'Argumenty' configuration is selected. The main panel shows the following settings:

- Name:** Argumenty
- Store as project file
- Build and run:** Modify options Alt+M
  - VM options: java 21 SDK of 'oop2025\_'
  - Application class: Argumenty
  - Arguments: jeden dva tri styri pat
- Press Alt for field hints
- Working directory:** /oop2025\_cv01\_app\_intellij
- Environment variables:** Environment variables or .env files
- Separate variables with semicolon: VAR=value; VAR1=value1
- Open run/debug tool window when started

At the bottom left, there is a link: [Edit configuration templates...](#)

# Nastavenie spustenia programu



Edit configuration templates...

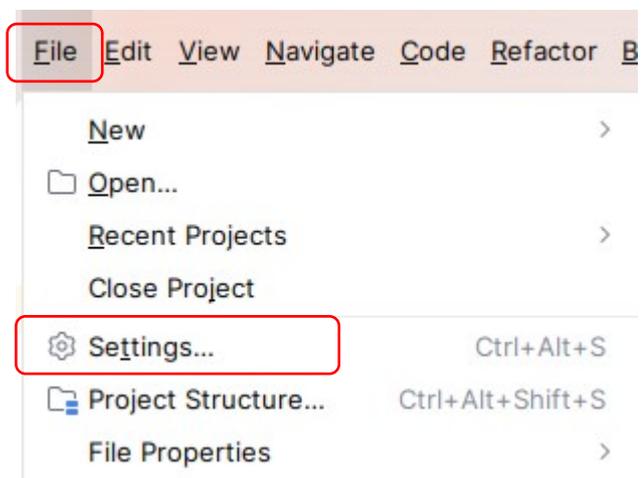
# IntelliJ Idea – live templates

---

- Nastavenie skratiek pri písaní kódu
  - napríklad *fori* sa rozvinie na cyklus for
- File → Settings → Editor → Live templates → Add
  - Java
  - Treba nastaviť kontext v ktorom bude použitý

# IntelliJ Idea – live templates

---



- Appearance & Behavior
- Keymap
- Editor
  - General
  - Code Editing
  - Font
  - Color Scheme
  - Code Style
  - Inspections
  - File and Code Templates
  - File Encodings
  - Live Templates**
  - File Types
  - Copyright
  - Inlay Hints
  - Duplicates
  - Emmet
  - Intentions
  - Language Injections
  - Natural Languages
  - Reader Mode
  - TextMate Bundles
  - TODO
- Plugins

Editor > Live Templates

By default expand with

- Groovy
- gRPC Request
- HTML/XML
- HTTP Request
- Java**
- Kotlin
- Maven
- OpenAPI Specifications (.json)
- OpenAPI Specifications (.yaml)
- Pebble
- Shell Script

No live templates are selected



OK

Cancel

Apply

- Appearance & Behavior
- Keymap
- Editor
  - General
  - Code Editing
  - Font
  - Color Scheme
  - Code Style
  - Inspections
  - File and Code Templates
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### Editor > Live Templates

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No live templates are selected

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No live templates are selected



OK

Cancel

Apply

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### Editor > Live Templates

By default expand with

- + - [ ] ↶
- >  Groovy
- >  gRPC Request
- >  HTML/XML
- >  HTTP Request
- >  **Java**
- >  Kotlin
- >  Maven
- >  OpenAPI Specifications (.json)
- >  OpenAPI Specifications (.yaml)
- >  Pebble
- >  Shell Script

No live templates are selected

### Settings

Editor > Live Templates [Revert changes](#)

By default expand with

- Groovy
- gRPC Request
- HTML/XML
- HTTP Request
- Java
  - pr
  - Instance 'main' methods for implicitly declared classes
  - Instance 'main' methods for normal classes
  - C (Surround with Callable)
  - else-if (Add else-if branch)

Abbreviation:  Description:

Template text:

Options

Expand with

- Reformat according to style
- Use static import if possible
- Shorten EQ names

Applicable in Java; Java: statement, consumer functio...  
[Change](#)

OK Cancel Apply

### Settings

Editor > Live Templates [Revert changes](#)

By default expand with

- +
- 
- 📄
- <

- Everywhere
  - General .json file
  - General .yaml file
  - Groovy
  - HTML
  - HTTP Client environment file
  - HTTP Request
  - Java
  - JSON
  - Kotlin
  - Kotlin Notebook
  - Maven
  - OpenAPI/Swagger [.json]
  - OpenAPI/Swagger [.yaml]
  - Pebble
  - Properties files
  - Protocol buffer text
  - Protocol Buffers
  - Shell script
  - SQL
  - XMI

Abbreviations

Template text

I0.print

Applicable

[Change](#)

OK Cancel Apply

### Settings

Editor > Live Templates [Revert changes](#)

By default expand with

- +
- 
- 📄
- ↶

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  - XMI

Abbreviations

Template text

I0.print

Applicable [Change](#)

2

Buttons:

### Settings

Editor > Live Templates [Revert changes](#)

By default expand with

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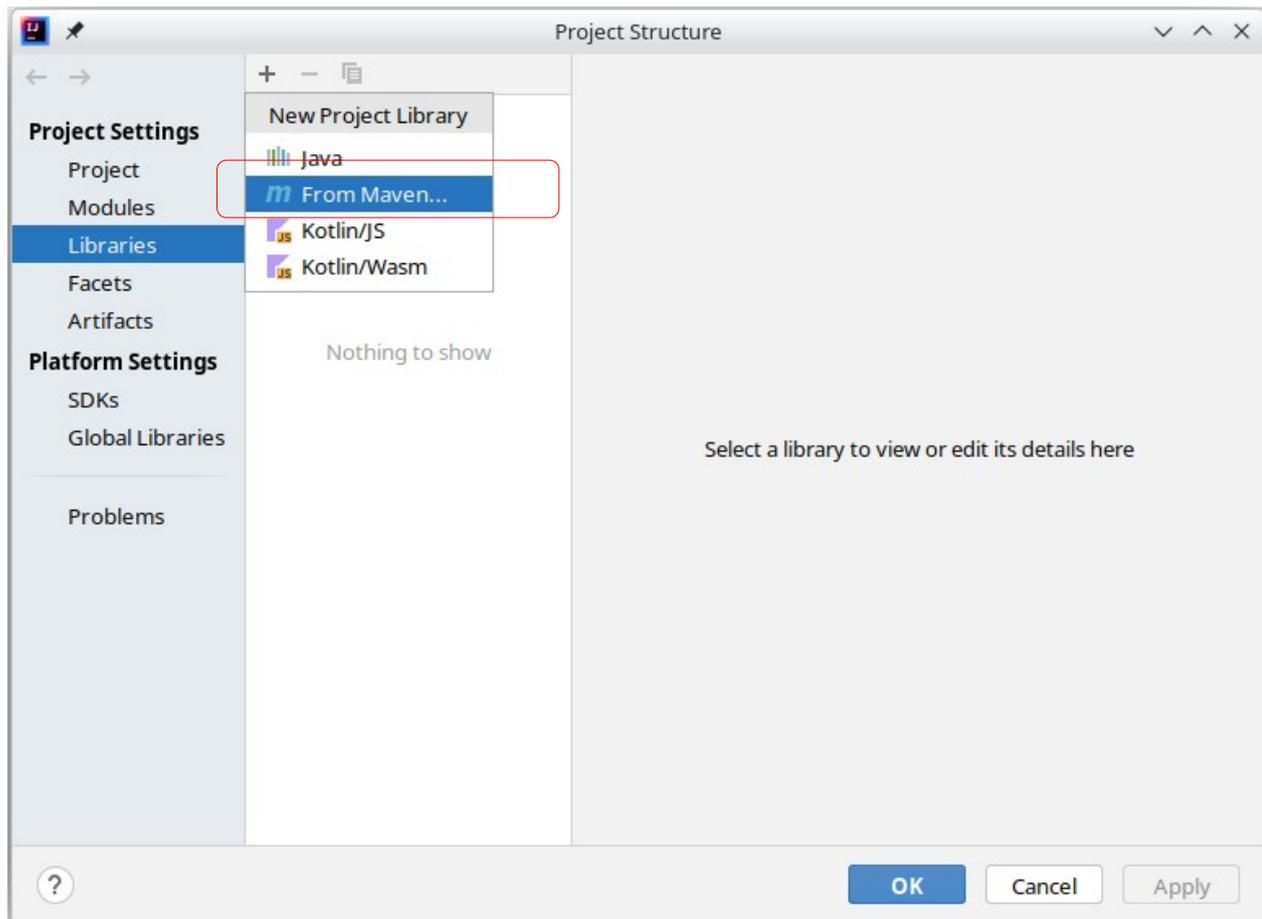
OK Cancel Apply

# Intellij Idea – pridanie knižnice

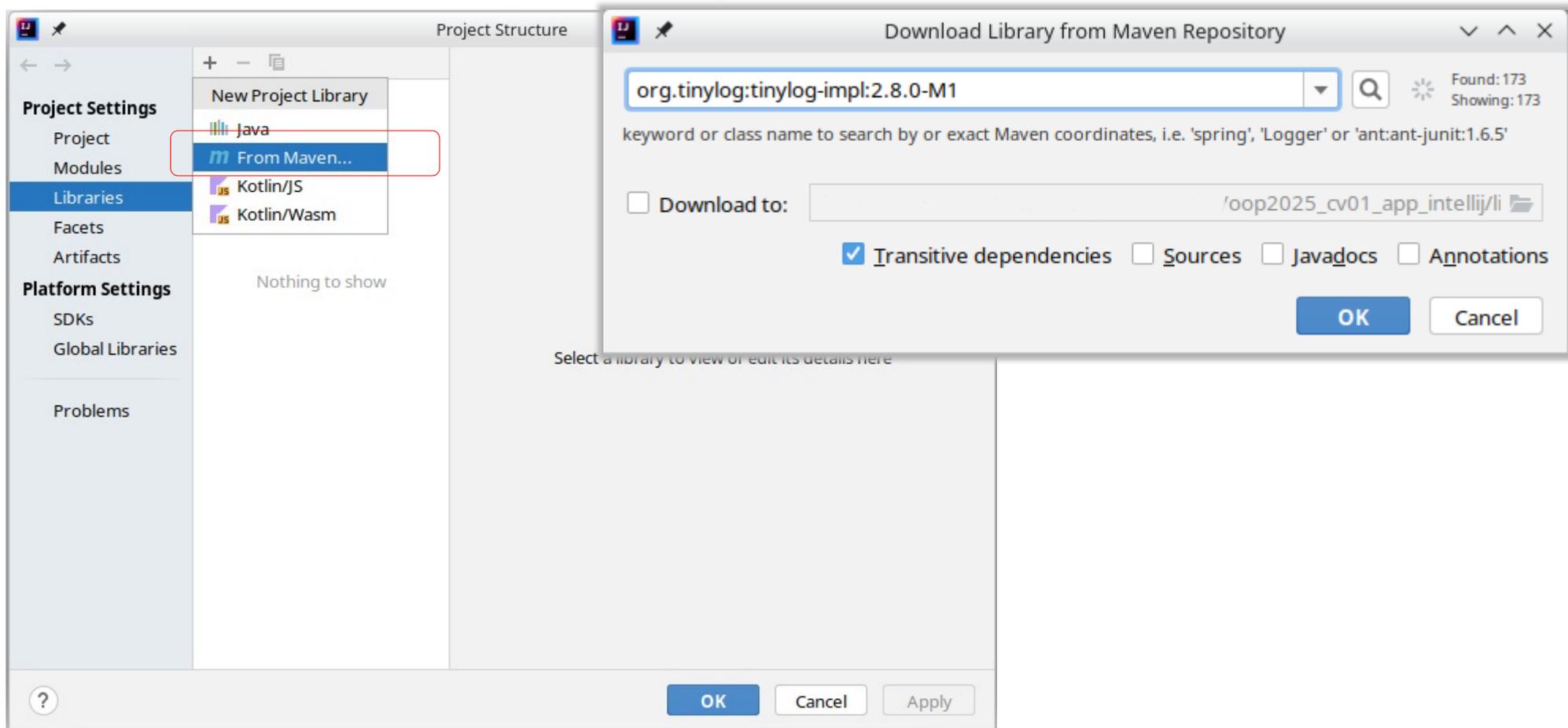
---

- knižnica pre záznam behu programu (logovanie)
- File -> Project Structure -> Project Settings -> Libraries
- <https://tinylog.org/v2/download/#java>
  - org.tinylog:tinylog-impl:2.8.0-M1

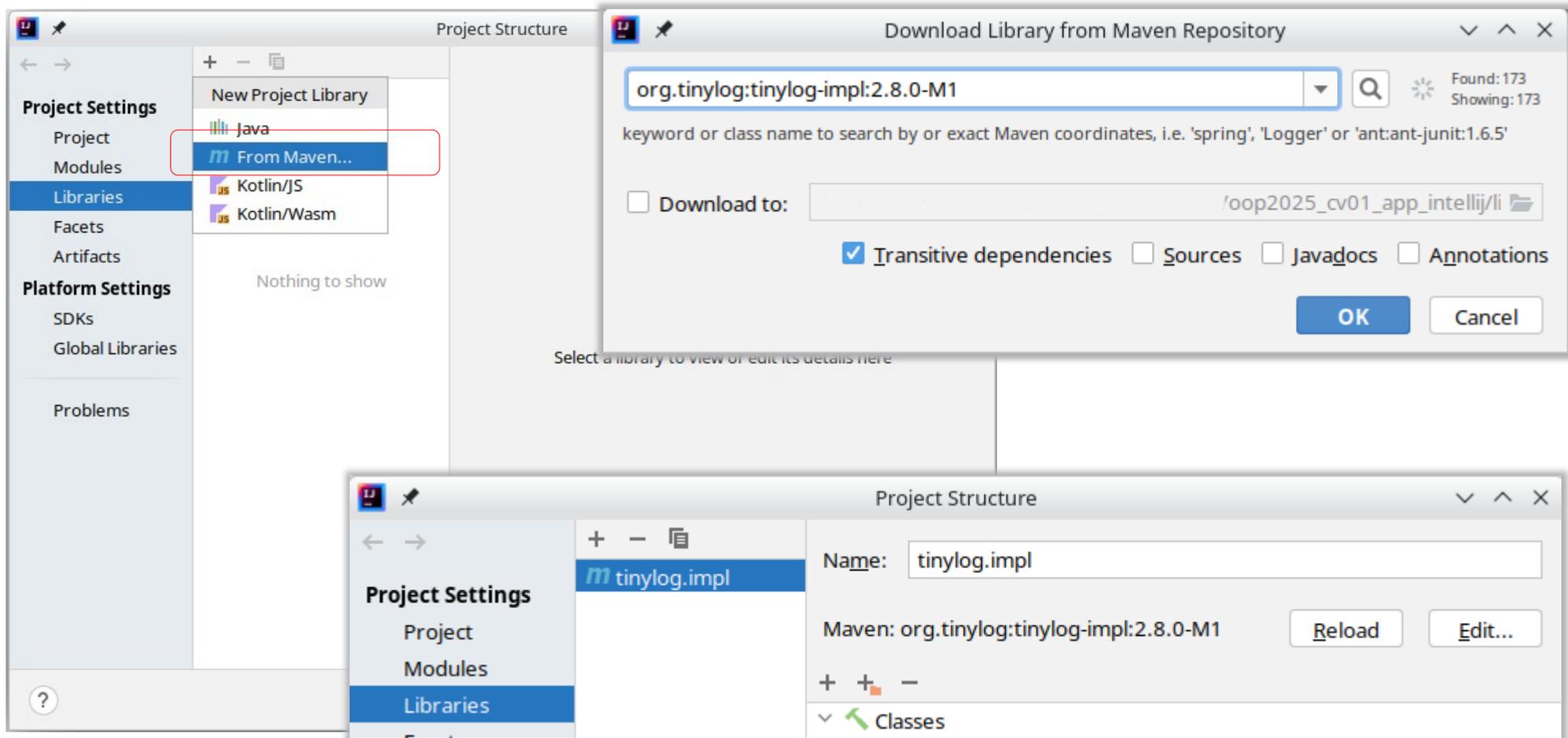
# IntelliJ Idea – pridanie knižnice



# IntelliJ Idea – pridanie knižnice

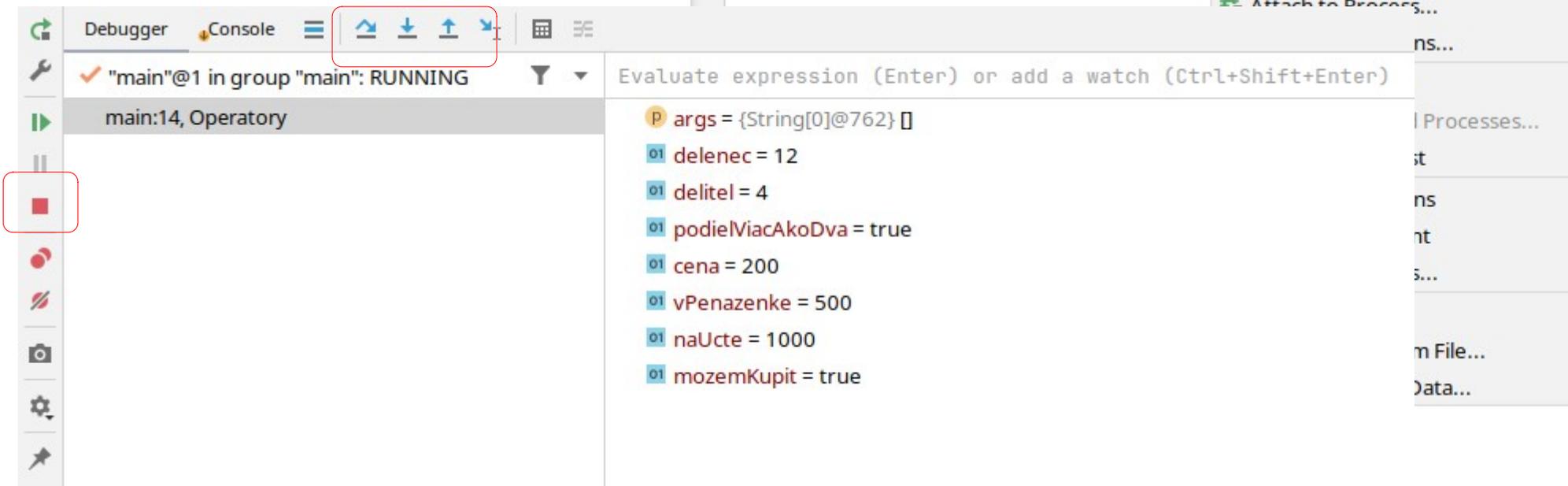
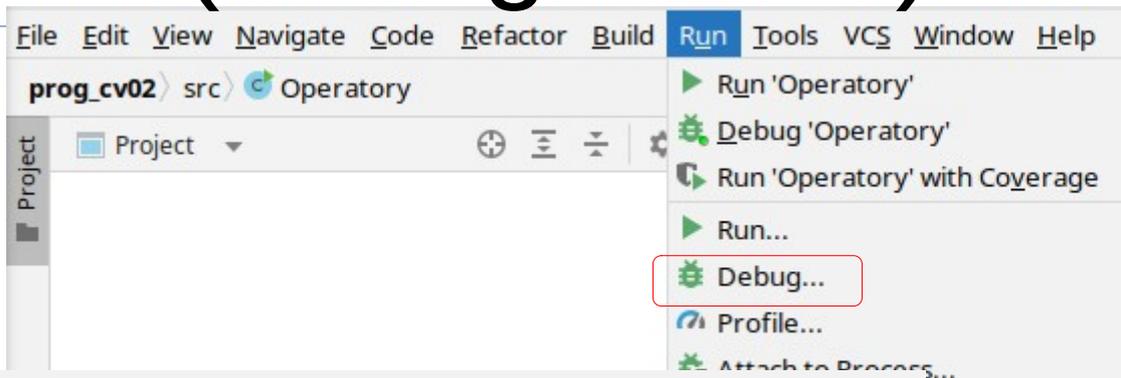


# IntelliJ Idea – pridanie knižnice

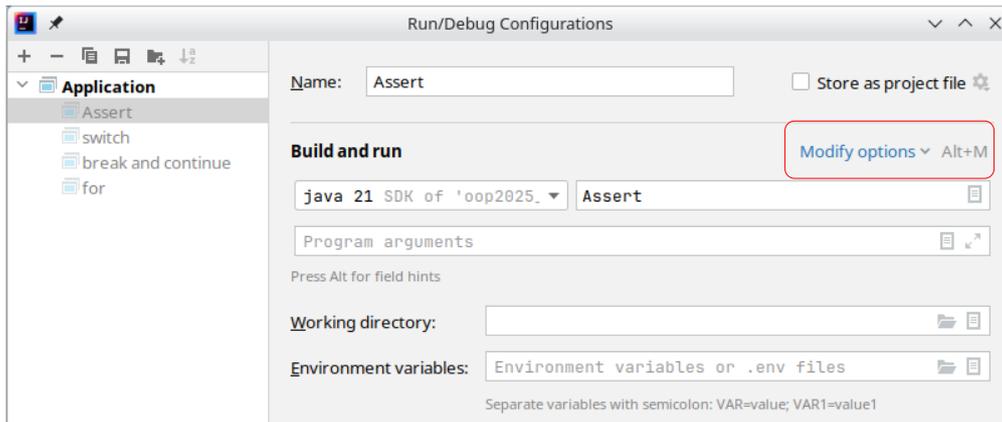


# Ladenie programu (debugovanie)

- V IntelliJ Idea
  - Run → Debug



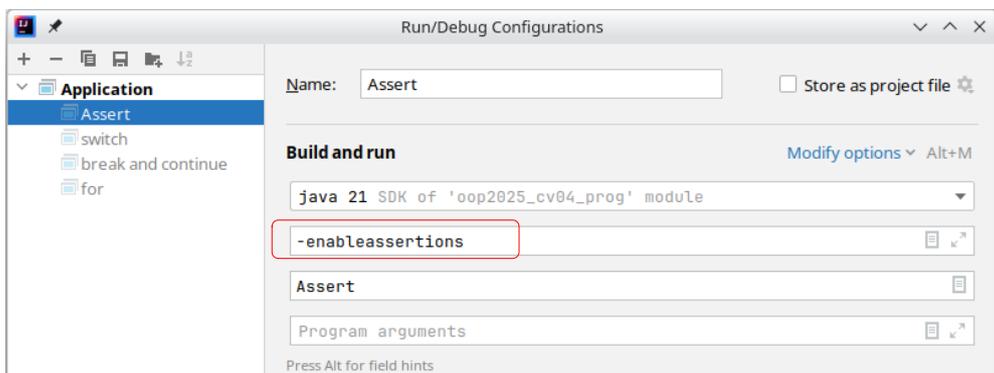
# assert



Add Run Options	
<b>Operating System</b>	
<input type="checkbox"/> Allow multiple instances	Alt+U
<input checked="" type="checkbox"/> Environment variables	Alt+E
<input type="checkbox"/> Redirect input	
<b>Java</b>	
<input type="checkbox"/> Do not build before run	
<input type="checkbox"/> Use classpath of module	Alt+O
<input type="checkbox"/> Modify classpath	
<input type="checkbox"/> Add dependencies with "provided" scope to classpath	
<input type="checkbox"/> Implicitly declared class run configuration	
<input type="checkbox"/> Shorten command line	
<span style="border: 1px solid red; padding: 2px;"><input type="checkbox"/> Add VM options</span>	Alt+V

## Logs

- Specify logs to be shown in the console
- Save console output to file
- Show console when a message is printed to stdout
- Show console when a message is printed to stderr

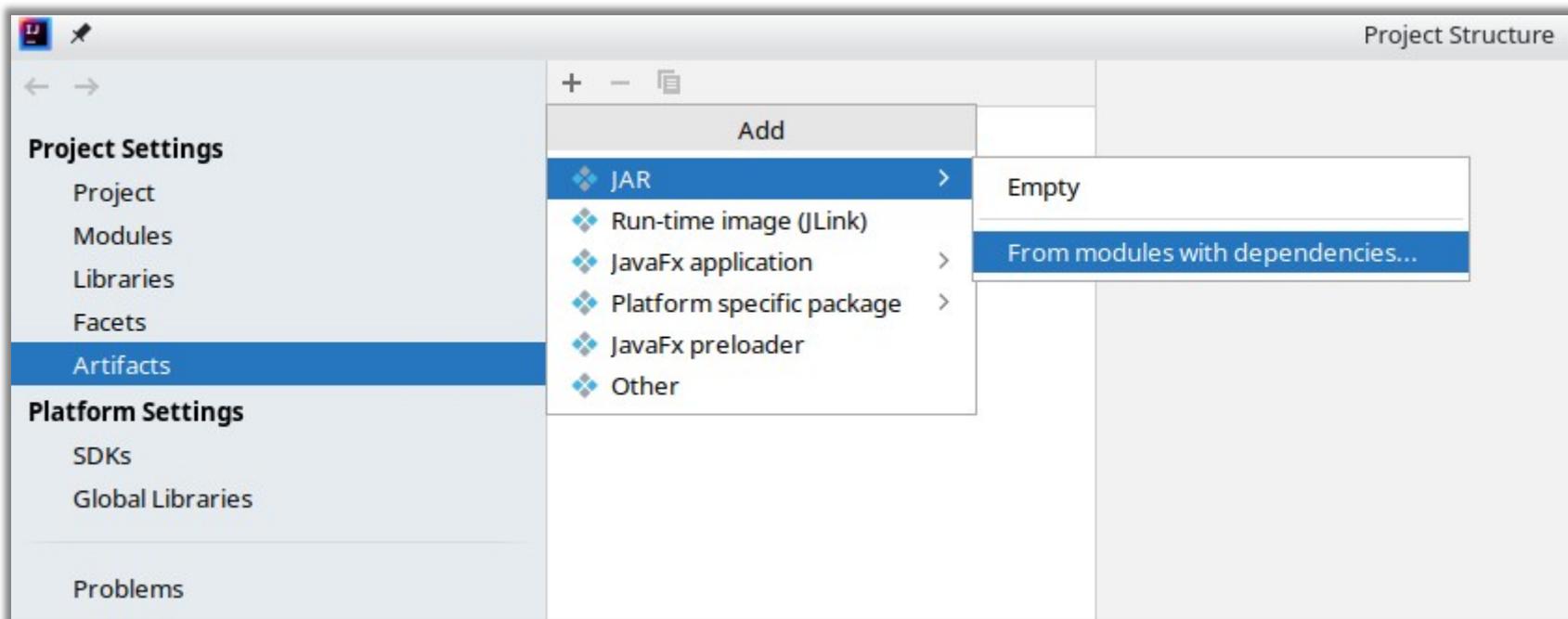


```
assert endTime > startTime;
```

```
assert endTime > startTime : "zaciatočný čas musí byť menší ako koncový";
```

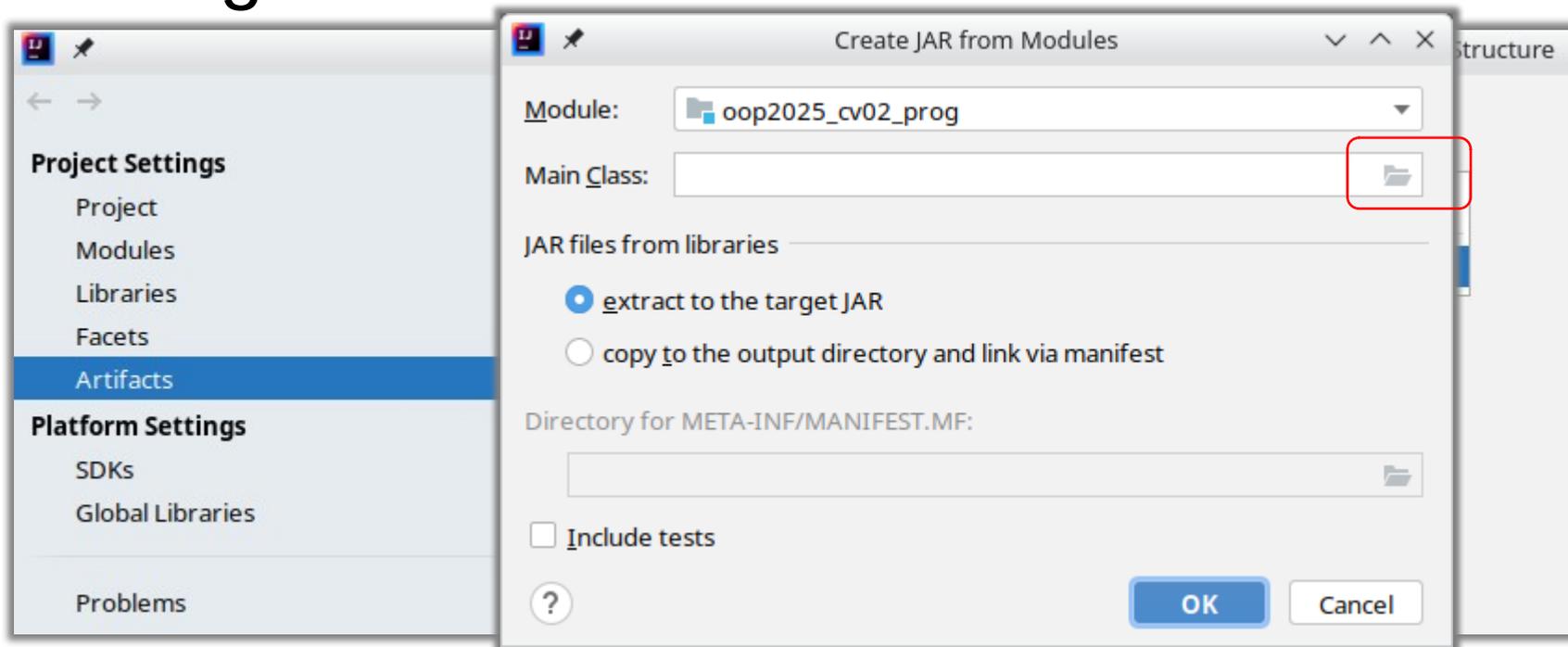
# IntelliJ - vytvorenie jar

- Nastavenie: File → Project Structure → Project Settings → Artifacts



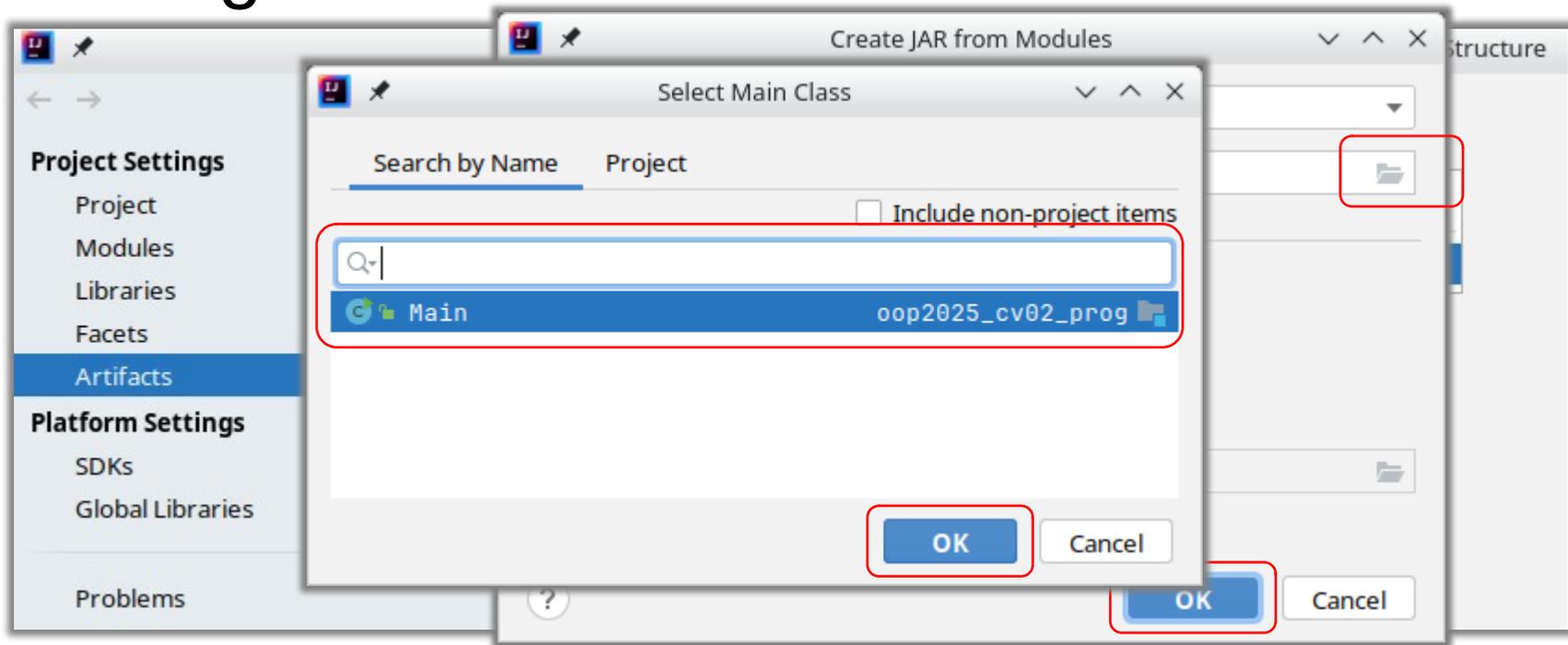
# IntelliJ - vytvorenie jar

- Nastavenie: File → Project Structure → Project Settings → Artifacts



# IntelliJ - vytvorenie jar

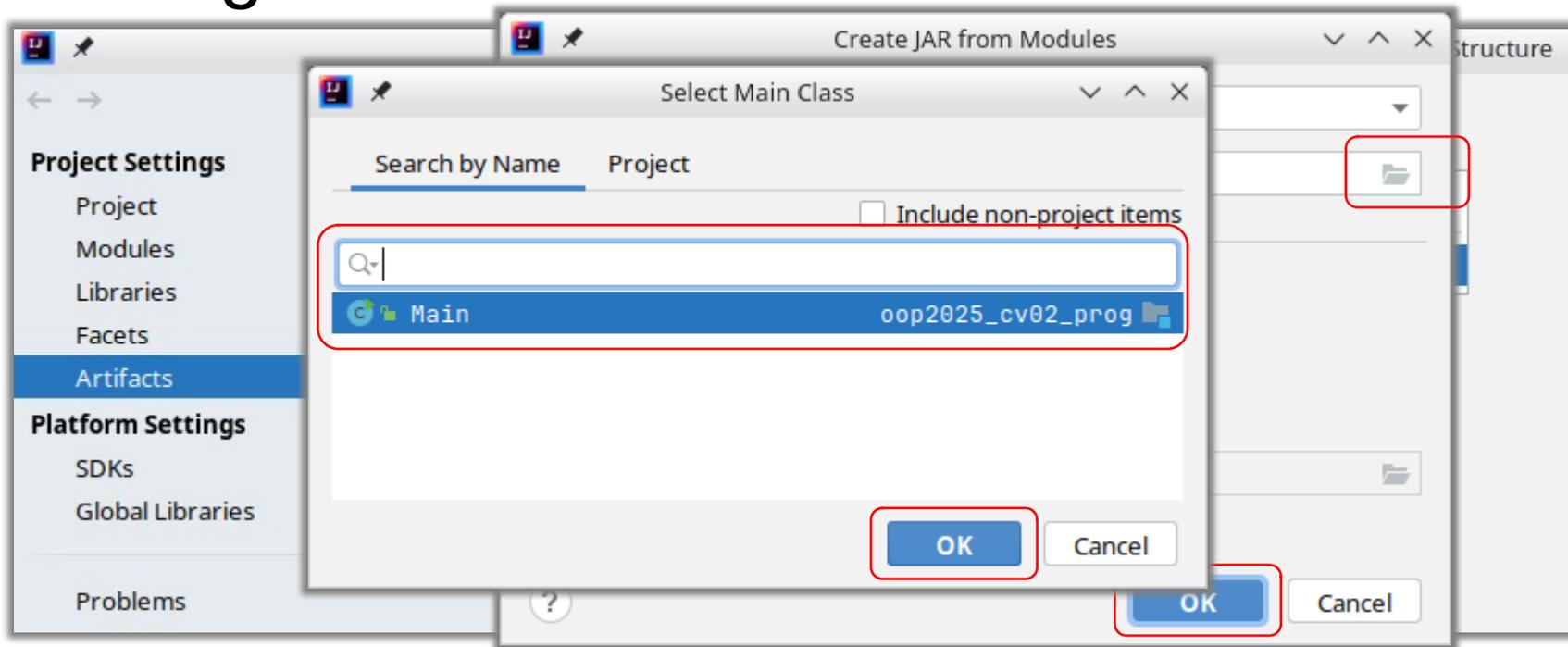
- Nastavenie: File → Project Structure → Project Settings → Artifacts



# IntelliJ - vytvorenie jar

vytvorí  
MANIFEST.MF

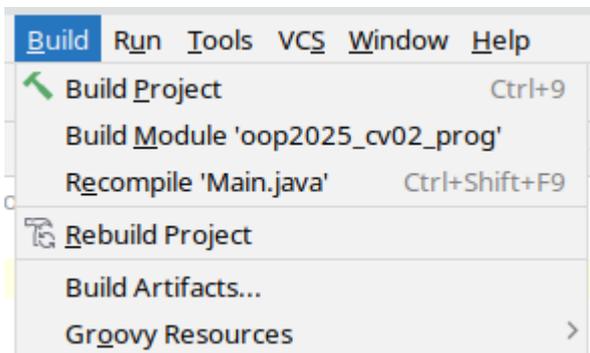
- Nastavenie: File → Project Structure → Project Settings → Artifacts



# IntelliJ - vytvorenie jar

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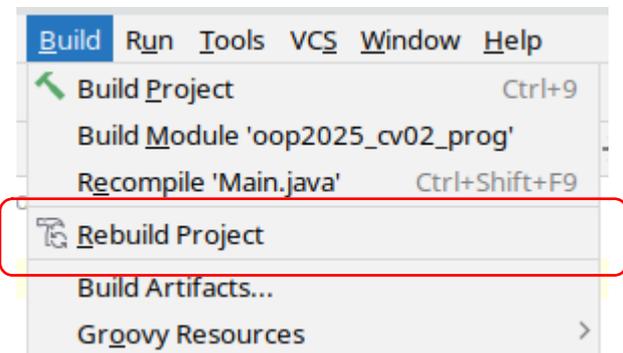
- Vytvorenie Jar: Build → Build Artifacts ...



# IntelliJ - vytvorenie jar

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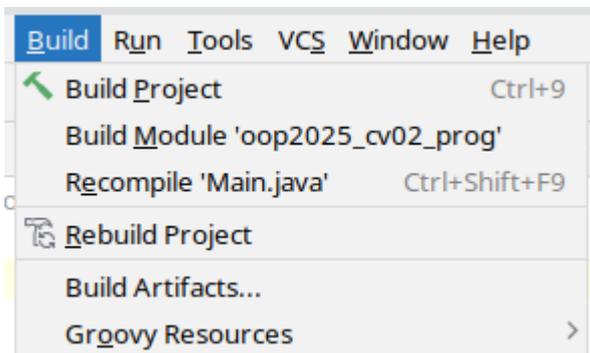
- Vytvorenie Jar: Build → Build Artifacts ...



# IntelliJ - vytvorenie jar

---

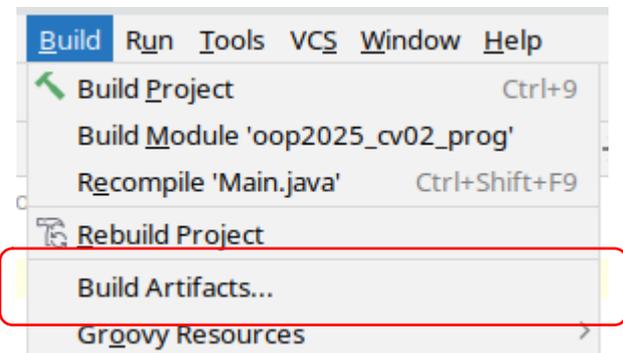
- Vytvorenie Jar: Build → Build Artifacts ...



# IntelliJ - vytvorenie jar

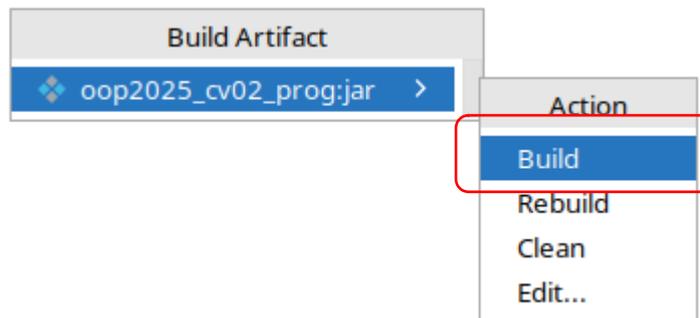
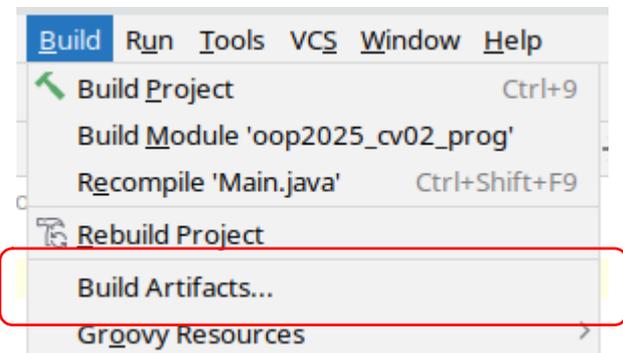
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- Vytvorenie Jar: Build → Build Artifacts ...



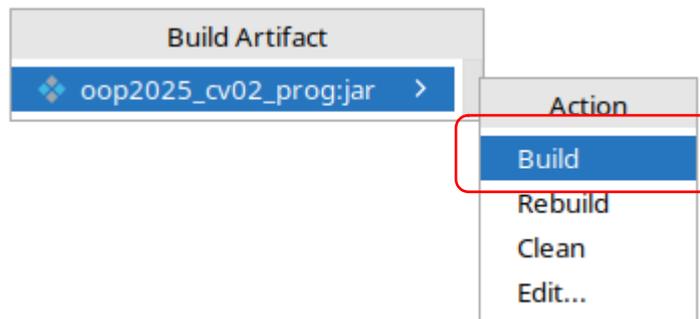
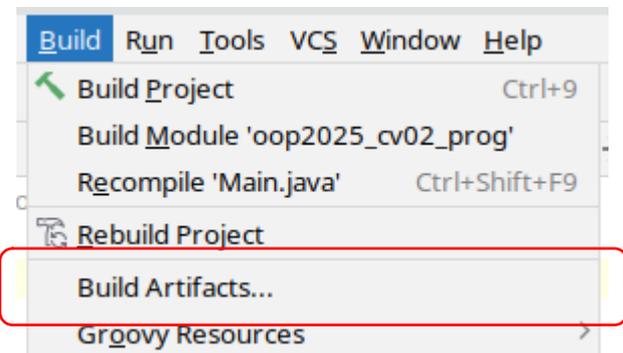
# IntelliJ - vytvorenie jar

- Vytvorenie Jar: Build → Build Artifacts ...



# IntelliJ - vytvorenie jar

- Vytvorenie Jar: Build → Build Artifacts ...



jar je vytvorený v  
*project/out/artifacts/.....jar*