

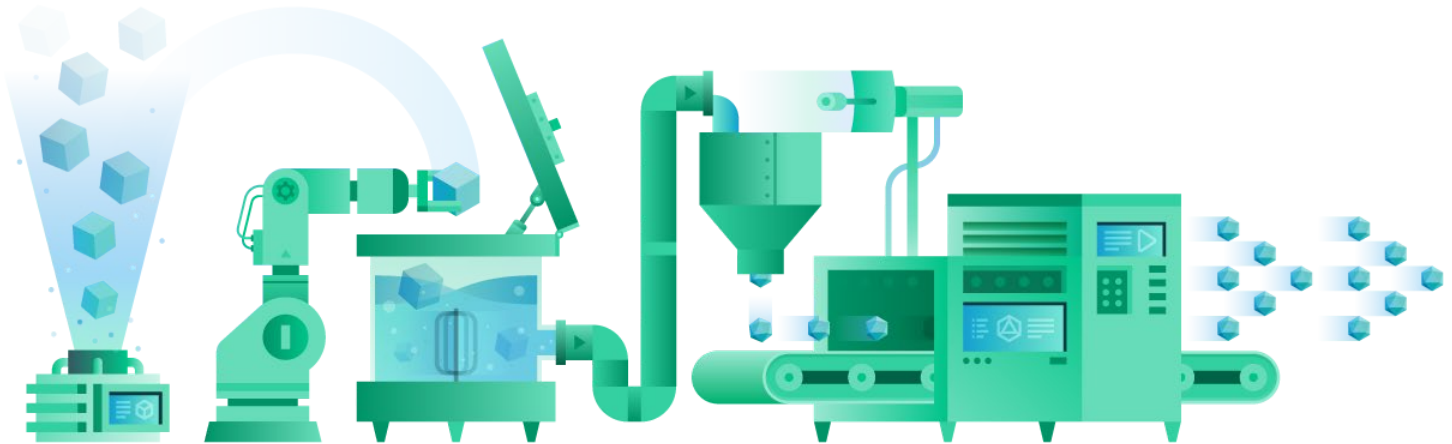
# TP12

## Gradle Build Tools

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Remarks:

- ✓ Submitted need to be the whole project files
- ✓ Gradle use Programming language Groovy or Kotlin, we will use Groovy in this TP.



### TP12.1. Gradle Installation

First, install Gradle follow the instructions here: <https://gradle.org/install/>

### TP12.2. Create a project using Gradle

After installation, create a Java application project named “Shopping-cart” by following instructions here: [https://docs.gradle.org/current/samples/sample\\_building\\_java\\_applications.html](https://docs.gradle.org/current/samples/sample_building_java_applications.html)

### TP12.3. Add dependency

Add MySQL connectorj as dependency of project. Then, build to make sure it is working.

### TP12.4. Prepare database

Create Database in MySQL server and create a table named **products** with ID, name, price, created date. Product ID should be automatically incremented.

### TP12.5. Connect project to Database

Create logics to work with database using Java code. The program should be able to:

- List all products
- Add new product
- Update existing product by id
- Delete product by name or id
- Search product by name