

# 乐字节教育高级架构课程

正所谓“授人以鱼不如授人以渔”，你们想要的 **Java 学习资料** 来啦！

不管你是学生，还是已经步入职场的同行，希望你们都要珍惜眼前的学习机会，奋斗没有终点，知识永不过时。

扫描下方二维码即可领取



乐字节晓啡

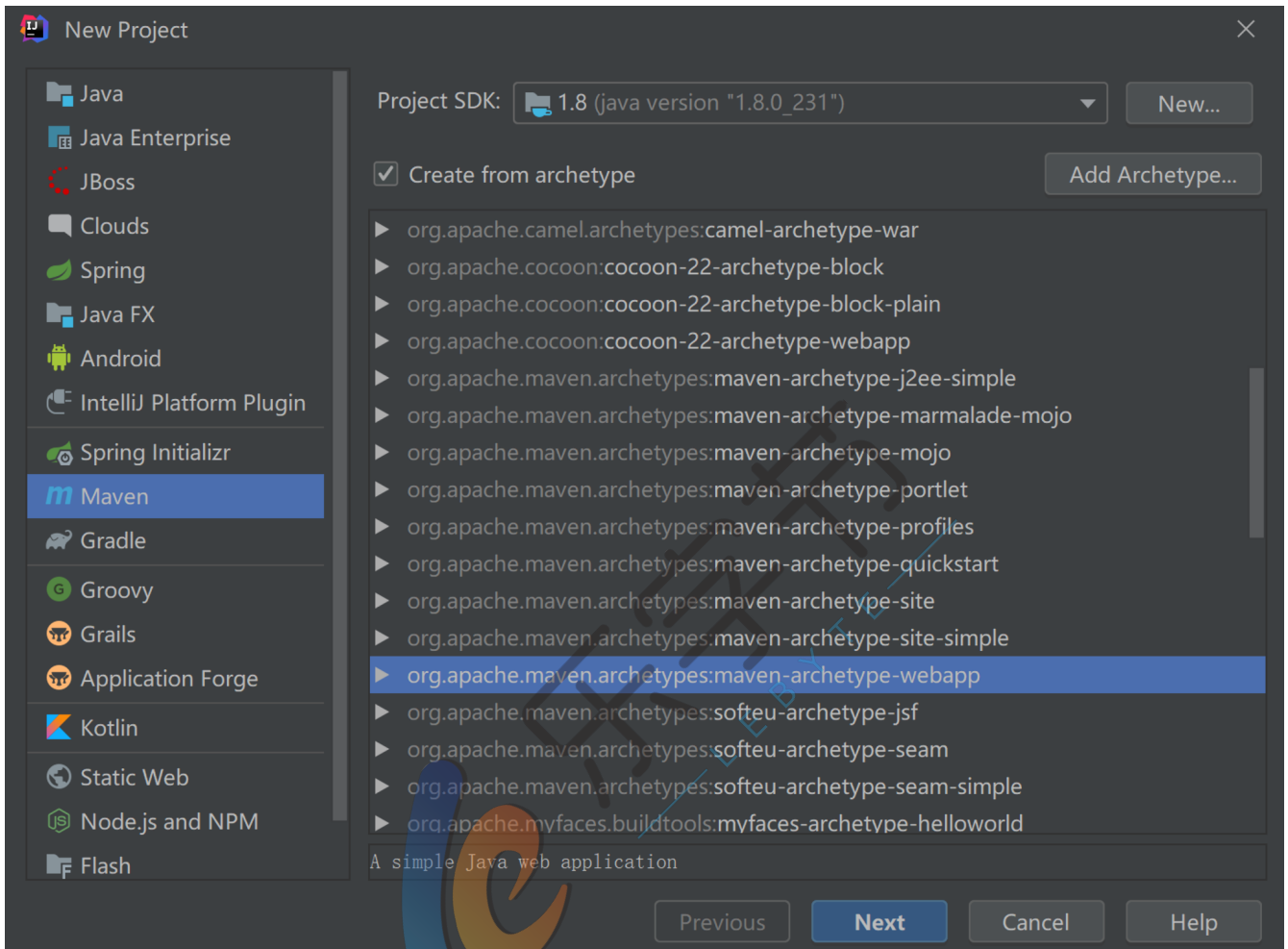



乐字节官方交流群



## FreeMarker环境搭建

### 新建 Maven Web项目



 New Project ✕

GroupId

com.xxxx

☒ Inherit

ArtifactId

freemarker

☐ Inherit

Version

1.0-SNAPSHOT

☒ Inherit


Previous

Next

Cancel

Help



 New Project ✕

Maven home directory:  ▼ ...

(Version: 3.6.2)

User settings file:  📁 ☒ Override

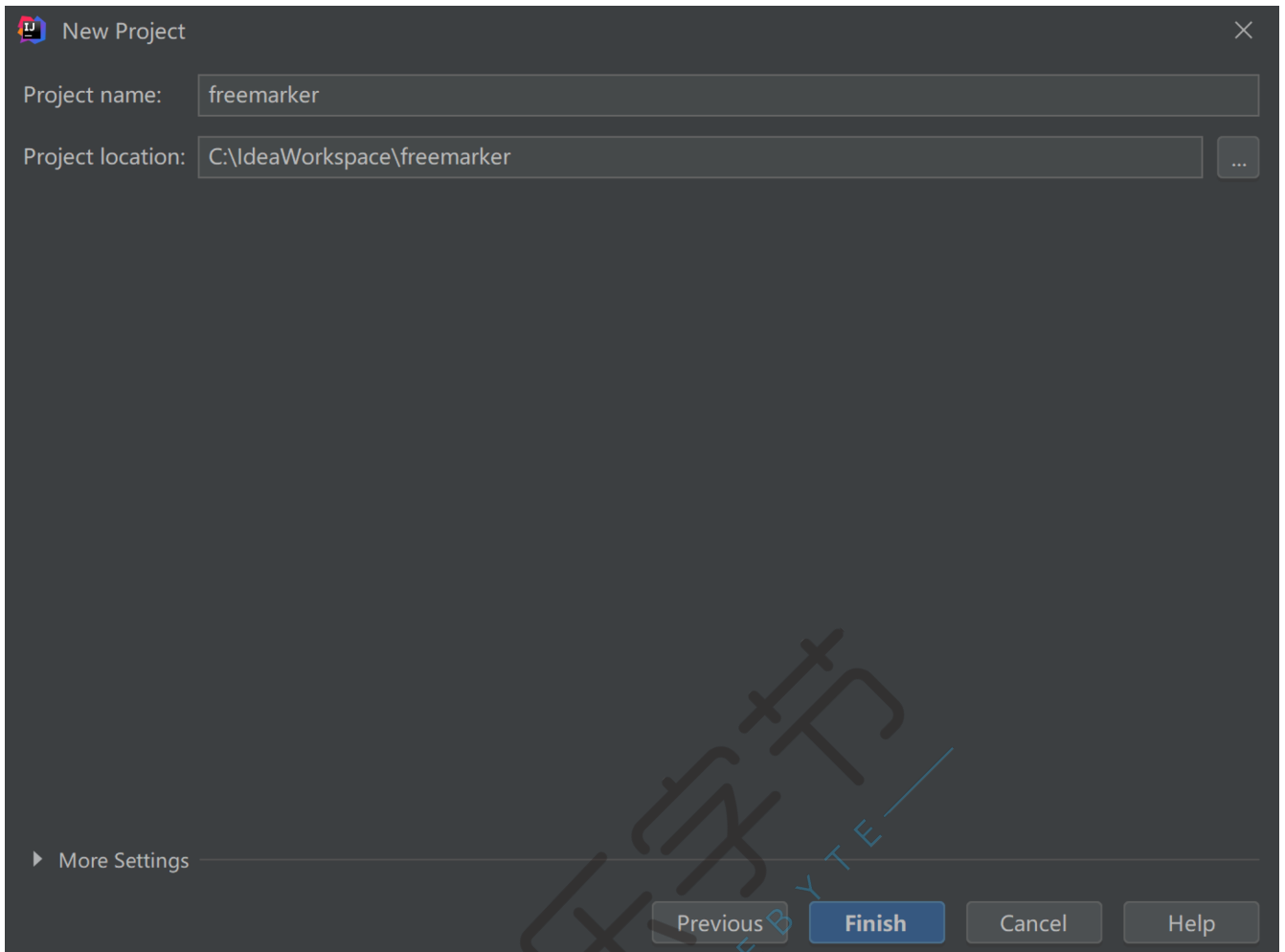
Local repository:  📁 ☐ Override

Properties

groupId	com.xxxx	+
artifactId	freemarker	-
version	1.0-SNAPSHOT	✎
archetypeGroupId	org.apache.maven.archetypes	
archetypeArtifactId	maven-archetype-webapp	
archetypeVersion	RELEASE	

Previous Next Cancel Help





## 配置坐标依赖和部署插件

pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.xxxx</groupId>
  <artifactId>freemarker</artifactId>
  <version>1.0-SNAPSHOT</version>
  <packaging>war</packaging>

  <name>freemarker Maven webapp</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target>
```

```

</properties>

<dependencies>
  <!-- freemarker的坐标依赖 -->
  <dependency>
    <groupId>org.freemarker</groupId>
    <artifactId>freemarker</artifactId>
    <version>2.3.23</version>
  </dependency>
  <!-- servlet-api的坐标依赖 -->
  <dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
    <version>3.0.1</version>
  </dependency>
</dependencies>

<build>
  <finalName>freemarker</finalName>
  <!--
    插件地址:
    Tomcat
      http://tomcat.apache.org/maven-plugin-2.2/
    Jetty
      https://www.eclipse.org/jetty/documentation/current/jetty-maven-plugin.html
  -->
  <plugins>
    <!-- 配置jetty插件 -->
    <plugin>
      <groupId>org.eclipse.jetty</groupId>
      <artifactId>jetty-maven-plugin</artifactId>
      <version>9.2.1.v20140609</version>
    </plugin>
  </plugins>

</build>
</project>

```

## 修改配置文件 web.xml

在项目的webapp/WEB-INF目录下的web.xml文件中，添加freemarker 相关 servlet 配置

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app id="WebApp_ID" version="3.0"
  xmlns="http://java.sun.com/xml/ns/javaee"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd">
  <!-- FreeMarker 的Servlet配置 -->
  <servlet>
    <servlet-name>freemarker</servlet-name>
    <servlet-class>freemarker.ext.servlet.FreeMarkerServlet</servlet-class>

```

```
<init-param>
  <!-- 模板路径 -->
  <param-name>TemplatePath</param-name>
  <!-- 默认在webapp目录下查找对应的模板文件 -->
  <param-value></param-value>
</init-param>
<init-param>
  <!-- 模板默认的编码: UTF-8 -->
  <param-name>default_encoding</param-name>
  <param-value>UTF-8</param-value>
</init-param>
</servlet>
<!-- 处理所有以.ftl结尾的文件; ftl是freemarker默认的文件后缀 -->
<servlet-mapping>
  <servlet-name>freemarker</servlet-name>
  <url-pattern>*.ftl</url-pattern>
</servlet-mapping>
</web-app>
```

## 编写Servlet类

```
package com.xxxx.controller;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import java.io.IOException;

@WebServlet("/f01")
public class FreeMarker01 extends HttpServlet {
    @Override
    protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        // 添加数据
        request.setAttribute("msg", "Hello FreeMarker!");
        // 请求转发跳转到ftl文件中
        request.getRequestDispatcher("template/f01.ftl").forward(request, response);
    }
}
```

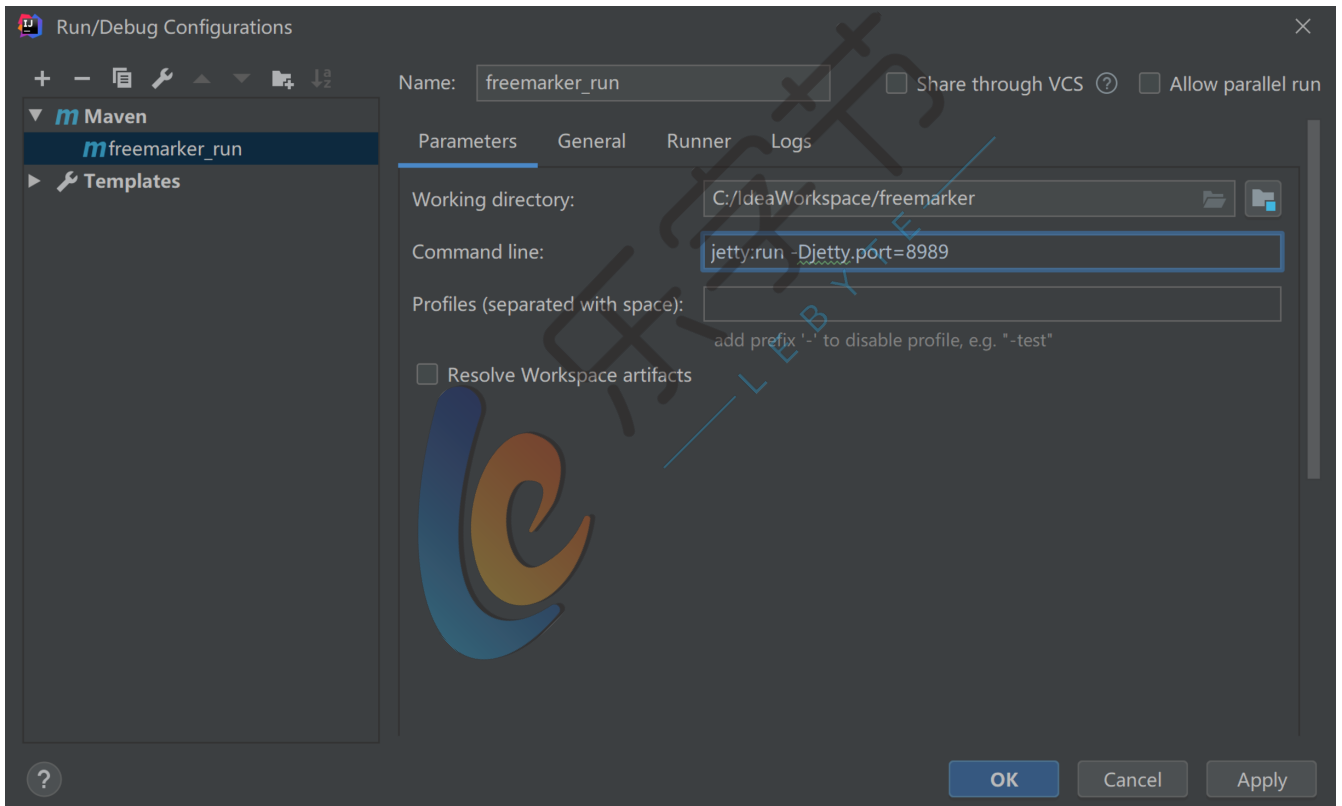
## 新建模板文件 ftl

在webapp目录下新建template文件夹，创建f01.ftl文件



```
f01.ftl x
1  <!--
2      html 注释语法
3      浏览器中查看源码可见
4  -->
5  <#--
6      freemarker 注释语法
7      浏览器中查看源码可见（开发中推荐使用）
8      1. 在freemarker中，html所有标签均适用
9      2. js、css均适用，语法一致
10 -->
11 <#-- 获取数据 -->
12 ${msg}
13
```

## 启动项目



## 访问项目

浏览器地址栏输入：<http://localhost:8989/f01>

