MAVEN KIP ASSIGNMENT

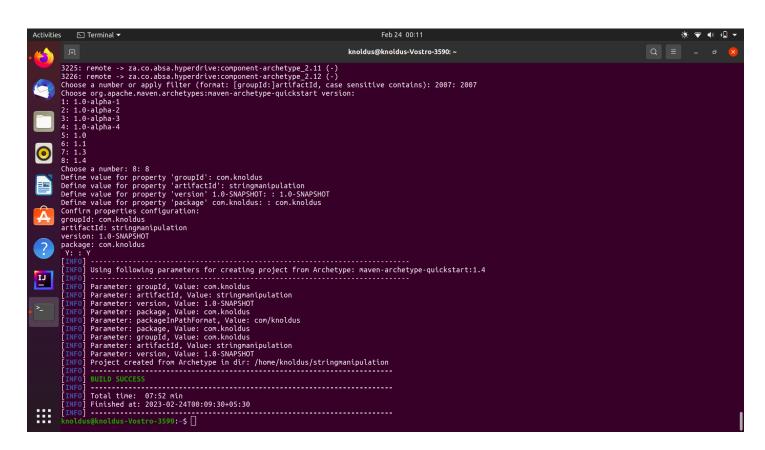
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Employee Code: 1879

Step to create multi module maven project

Step 1: Open the terminal and enter mvn archetype:generate.

Step 2: Fill the GroupID, ArtifactID, Version, andPackage. Here you fill in the details of the parent module.



delete the src file manually, for the parent and sub-parent module

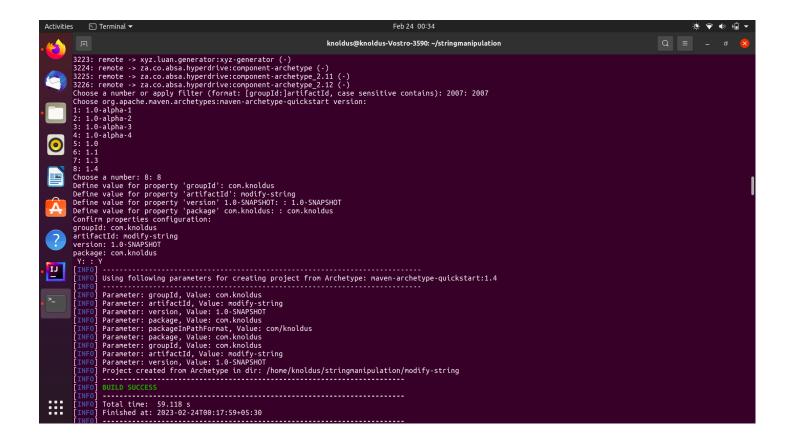
Step 3: Now open the POM.xml file of stringmanipulation (Parent Module) and add <packaging>pom</packaging>.

pom is basically a container of submodules. If we don't add thisto

```
Save
 Open
 1 <?xml version="1.0" encoding="UTF-8" standalone="no"?>
2 <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">
 3
    <modelVersion>4.0.0</modelVersion>
 4
5
    <groupId>com.knoldus
6
8
   <artifactId>stringmanipulation</artifactId>
9
    <version>1.0-SNAPSHOT</version>
10
11
12
    <packaging>pom</packaging>
13
14
    <name>stringmanipulation</name>
15
    <!-- FIXME change it to the project's website -->
16
17
    <url>http://www.example.com</url>
18
19
                                              XML ▼ Tab Width: 8 ▼
                                                                      Ln 12, Col 3
                                                                                        INS
```

POM.xml the submodule build fails abruptly.

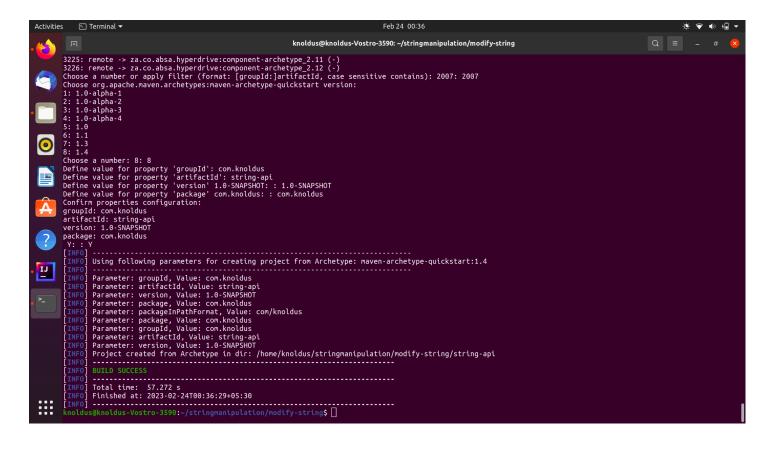
Step 4: Use cd stringmanipulation command to get into thatmodule and follow the above steps (Give ArtifactID: modify-string)

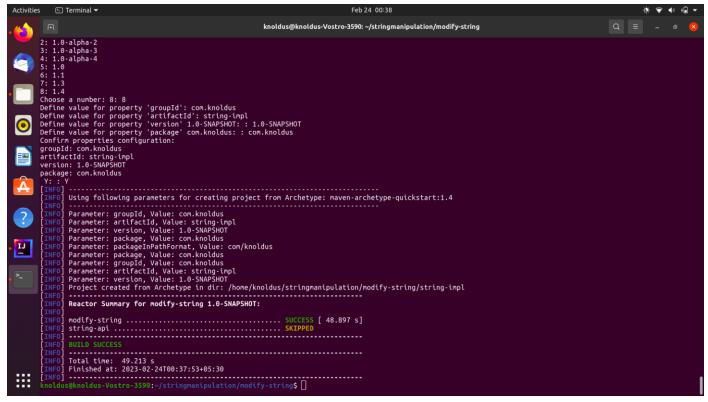


We are adding <packaging>pom</packaging> in POM.xml file of modify-string because we have to create some more submodules of it.



Step 5: Use cd modify-string to get into that module and create 2 more submodules using mvn archetype:generate. And name them string-api and string-impl respectively.





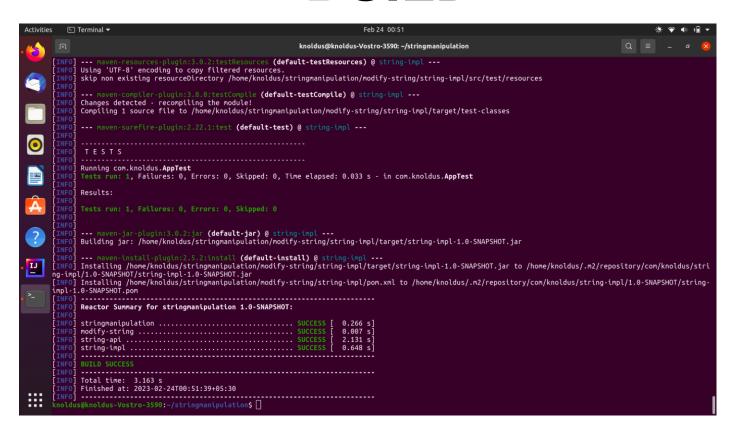
You can edit their POM.xml file by adding <packaging>jar</packaging> or by default it will be jar.

```
pom.xml
  Open
                                                        Save
                           ~/stringmanipulation/modify-string/string-api
1 <?xml version="1.0" encoding="UTF-8"?>
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>
4
   <parent>
5
     <artifactId>modify-string</artifactId>
     <groupId>com.knoldus
6
     <version>1.0-SNAPSHOT</version>
   </parent>
9
10
   <groupId>com.knoldus
11
   <artifactId>string-api</artifactId>
    <version>1.0-SNAPSHOT</version>
12
   <packaging>jar</packaging>
13
14
   <name>string-api</name>
   <!-- FIXME change it to the project's website -->
15
   <url>http://www.example.com</url>
16
17
18
   coroperties>
19
     XML ▼ Tab Width: 8 ▼
                                                           Ln 13, Col 3
                                                                         INS
```

```
pom.xml
 Open
                                                        Save
1 <?xml version="1.0" encoding="UTF-8"?>
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>
     <artifactId>modify-string</artifactId>
     <groupId>com.knoldus
6
7
     <version>1.0-SNAPSHOT</version>
   <groupId>com.knoldus</groupId>
10
   <artifactId>string-impl</artifactId>
12
   <version>1.0-SNAPSHOT</version>
13
   <packaging>jar</packaging>
   <name>string-impl</name>
14
15
   <!-- FIXME change it to the project's website -->
16
   <url>http://www.example.com</url>
17
18
   coroperties>
     Bracket match found on line: 13
                                      XML ▼ Tab Width: 8 ▼
                                                           Ln 13, Col 3
                                                                         INS
```

Mark directories as Source root and test source root manually.

SUCCESSFULLY BUILD



Dependencies/pluggins installed

