### **Maven Assignment**

**Step 1:** Create the parent directory by using command:



**Step 2:** Now there will be options visible on the screen among which we need to select the appropriate ones.

select archetype - choose a template for the project
choose pom version - any version of pom can be selected
choose group id - it is a unique id which contains
organization name.

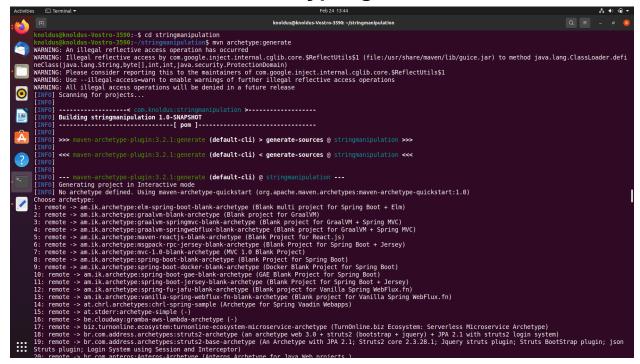
choose archetype - provide a name for your projectchoose package - a name of package has to be provided

# **Step 3:** Edit the pom.xml file to add packaging to **pom pom** indicates that it is the parent directory

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### **Step 4:** Enter into the parent directory and create a one more directory using the command

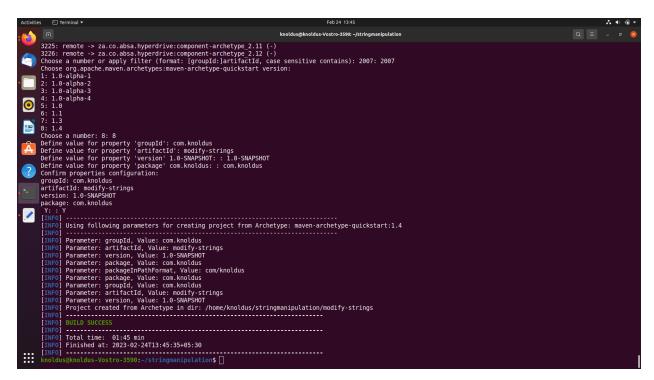
#### mvn archetype: generate



**Step 5:** Now there will be options visible on the screen among which we need to select the appropriate ones.

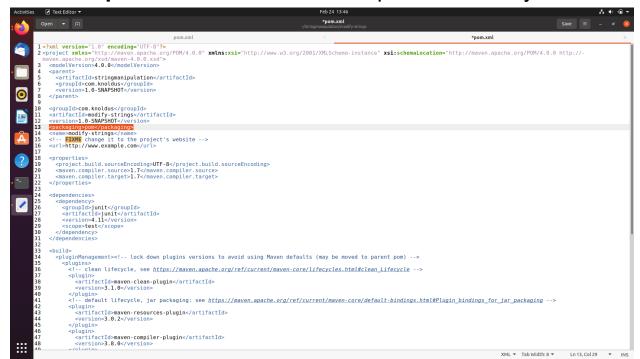
select archetype - choose a template for the project choose pom version - any version of pom can be selected choose group id - it is a unique id which contains organization name.

choose archetype - provide a name for your projectchoose package - a name of package has to be provided



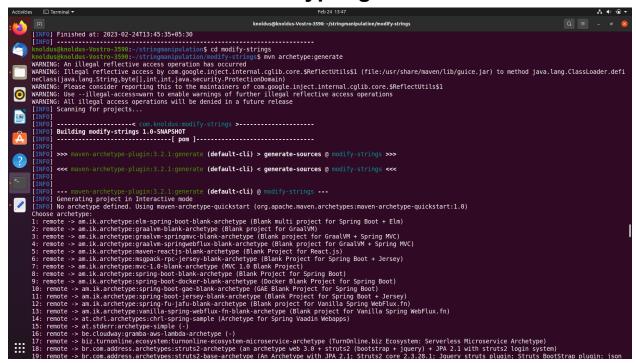
### **Step 6:** Edit the pom.xml file to add packaging to **pom** as we will create more modules into this.

pom indicates that it is the parent directory



**Step 7:** Enter into the parent directory and create a two more directory using the command these directories will contain the code files.

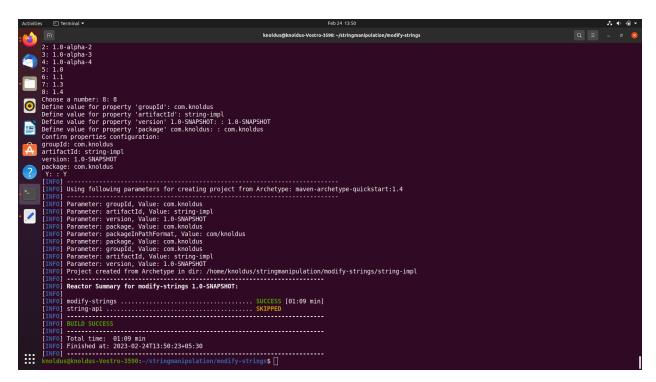
#### mvn archetype: generate



**Step 8:** Now there will be options visible on the screen among which we need to select the appropriate ones.

select archetype - choose a template for the project choose pom version - any version of pom can be selected choose group id - it is a unique id which contains organization name.

choose archetype - provide a name for your projectchoose package - a name of package has to be provided



**Step 9:** Edit the pom.xml files of these modules to add packaging to jar.

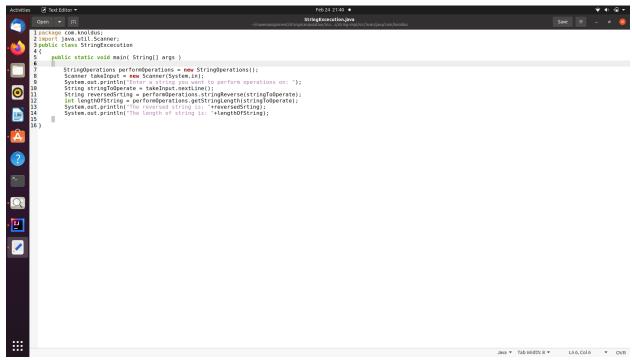
**jar -** Projects with this packaging type produce a compressed zip file with the *.jar* extension. It may include pure Java classes, interfaces, resources, and metadata files.

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# Step 10: Now add a java file into string-api>src>main>java>com>Knoldus containing code of the methods.

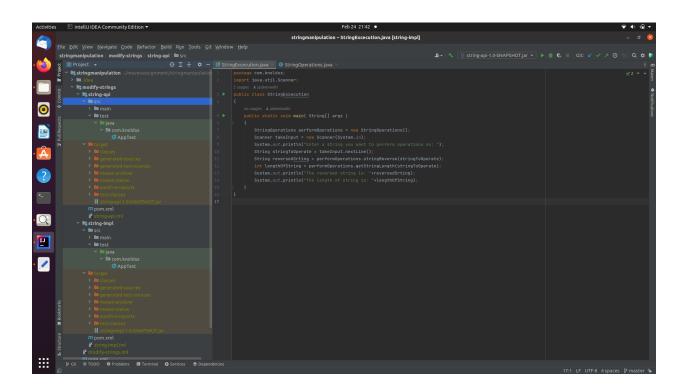
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## Step 11: Now add a java file into string-impl>src>main>java >com>Knoldus containing code of the main method.

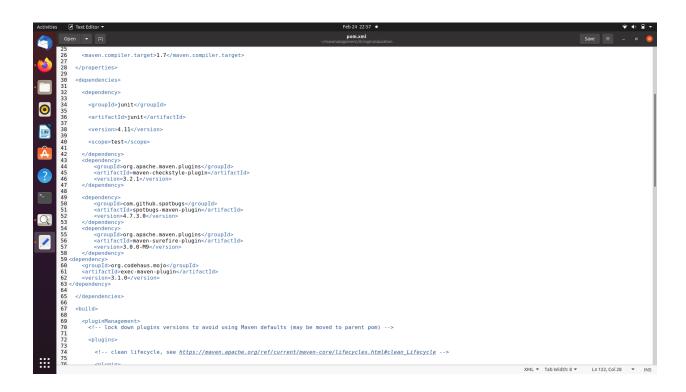


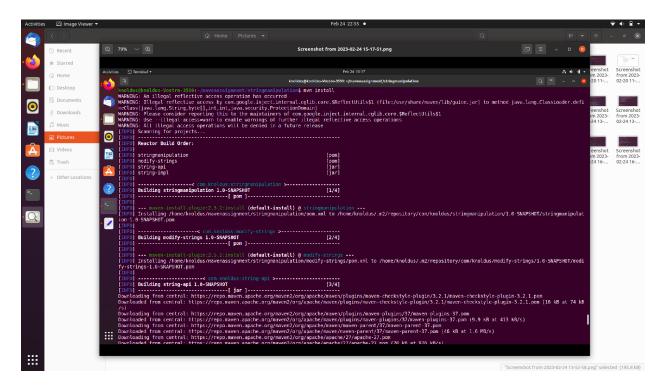
**Step 12:** Open project in intelij and mark java folders inside string-api and string-impl src folder as **source root**.

**Step 13:** mark java folder inside test folder as **test source root.** 



## **Step 14:** Mention the dependencies in the pom file of parent(**stringmanipulation**) and run **mvn install**





# **Step 15:** Finally execute the file containing main method to see the output.

