# Stanford Parser How to Install

Step1: Download Stanford CoreNLP module.

### **Prerequisites**

* Java 8. The command java -version should complete successfully with a line like: java version “1.8.0\_92”.
* Zip tool
* For following exactly the steps below: bash or a similar shell, and wget or a similar downloader.

### **Steps**

1. Download the CoreNLP zip file at: http://stanfordnlp.github.io/CoreNLP/index.html#download:

<https://stanfordnlp.github.io/CoreNLP/download.html>

# Step 2: Install Stanford Core NLP python package

**pip install stanfordcorenlp**

# Step 3:

Inside the folder which you have recently downloaded and extracted “stanford-corenlp-full-2018-02-27” <version may vary> you need to set this as your home directory for running all python scripts.

# Step 4:

Below is the command you need to hit for initializing the server at your local host machine.

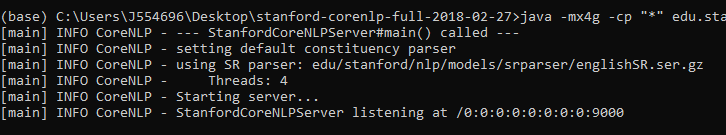
**java -mx4g -cp "\*" edu.stanford.nlp.pipeline.StanfordCoreNLPServer -port 9000 -timeout 15000 -annotators 'tokenize,ssplit,pos,ner'**

**or if you want to run execute the NLP on command prompt**

**>java -cp ejml-0.23.jar;javax.activation-1.2.0.jar;javax.json-api-1.0-sources.jar;javax.json.jar;jaxb-api-2.3.0.jar;jaxb-core-2.3.0.jar;jaxb-impl-2.3.0.jar;joda-time-2.9-sources.jar;joda-time.jar;jollyday-0.4.9-sources.jar;jollyday.jar;protobuf.jar;slf4j-api.jar;slf4j-simple.jar;stanford-corenlp-3.9.1-javadoc.jar;stanford-corenlp-3.9.1-models.jar;stanford-corenlp-3.9.1-sources.jar;stanford-corenlp-3.9.1.jar;xom-1.2.10-src.jar;xom.jar -Xmx3g edu.stanford.nlp.pipeline.StanfordCoreNLP**

<here -mx4g stands for you are giving the 4GB space to create a java virtual environment.>

The sample output will be like:



After the server is in listening state you can execute the program from anaconda and check the logs here

# Step5: Put some JAR file necessary execution of parser.

## [resolve java.lang.NoClassDefFoundError: javax/xml/bind/JAXBException in Java 9](https://stackoverflow.com/questions/43574426/how-to-resolve-java-lang-noclassdeffounderror-javax-xml-bind-jaxbexception-in-j)

To solve this, I have imported some JAR files in my project:

* javax.activation-1.2.0.jar

<http://search.maven.org/remotecontent?filepath=com/sun/activation/javax.activation/1.2.0/javax.activation-1.2.0.jar>

* jaxb-api-2.3.0.jar

<http://search.maven.org/remotecontent?filepath=javax/xml/bind/jaxb-api/2.3.0/jaxb-api-2.3.0.jar>

* jaxb-core-2.3.0.jar

<http://search.maven.org/remotecontent?filepath=com/sun/xml/bind/jaxb-core/2.3.0/jaxb-core-2.3.0.jar>

* jaxb-impl-2.3.0.jar

<http://search.maven.org/remotecontent?filepath=com/sun/xml/bind/jaxb-impl/2.3.0/jaxb-impl-2.3.0.jar>

1. Download above files and copy them into same< stanford-corenlp-full-2018-02-27> folder in the project
2. Add the imported JAR files in Java Build Path

## [StanfordTokenizer will be deprecated in version 3.2.5 Warning](https://datascience.stackexchange.com/questions/25291/stanfordtokenizer-will-be-deprecated-in-version-3-2-5-warning)

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Take the python program on how to use the Standford Parser.

## Stanford Tutorial:

<https://www.khalidalnajjar.com/setup-use-stanford-corenlp-server-python/>

Sample Program execute and the output

