

```
1 /Library/Java/JavaVirtualMachines/jdk-11.0.15.1.jdk
/Contents/Home/bin/java -javaagent:/Applications/
IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=58876
:/Applications/IntelliJ IDEA CE.app/Contents/bin -
Dfile.encoding=UTF-8 -classpath /Users/
chinthanchandra/Desktop/IIITB/4th_Year/sem7/sds/
project/GraphStream/target/classes:/Users/
chinthanchandra/.m2/repository/org/apache/spark/
spark-core_2.12/3.0.1/spark-core_2.12-3.0.1.jar:/
Users/chinthanchandra/.m2/repository/com/
thoughtworks/paranamer/paranamer/2.8/paranamer-2.8.
jar:/Users/chinthanchandra/.m2/repository/org/
apache/avro/avro/1.8.2/avro-1.8.2.jar:/Users/
chinthanchandra/.m2/repository/org/codehaus/jackson/
jackson-core-asl/1.9.13/jackson-core-asl-1.9.13.
jar:/Users/chinthanchandra/.m2/repository/org/
codehaus/jackson/jackson-mapper-asl/1.9.13/jackson-
mapper-asl-1.9.13.jar:/Users/chinthanchandra/.m2/
repository/org/apache/commons/commons-compress/1.8.
1/commons-compress-1.8.1.jar:/Users/chinthanchandra
/.m2/repository/org/tukaani/xz/1.5/xz-1.5.jar:/
Users/chinthanchandra/.m2/repository/org/apache/
avro/avro-mapred/1.8.2/avro-mapred-1.8.2-hadoop2.
jar:/Users/chinthanchandra/.m2/repository/org/
apache/avro/avro-ipc/1.8.2/avro-ipc-1.8.2.jar:/
Users/chinthanchandra/.m2/repository/commons-codec/
commons-codec/1.9/commons-codec-1.9.jar:/Users/
chinthanchandra/.m2/repository/com/twitter/chill_2.
12/0.9.5/chill_2.12-0.9.5.jar:/Users/
chinthanchandra/.m2/repository/com/esotericsoftware
/kryo-shaded/4.0.2/kryo-shaded-4.0.2.jar:/Users/
chinthanchandra/.m2/repository/com/esotericsoftware
/minlog/1.3.0/minlog-1.3.0.jar:/Users/
chinthanchandra/.m2/repository/org/objenesis/
objenesis/2.5.1/objenesis-2.5.1.jar:/Users/
chinthanchandra/.m2/repository/com/twitter/chill-
java/0.9.5/chill-java-0.9.5.jar:/Users/
chinthanchandra/.m2/repository/org/apache/xbean/
xbean-asm7-shaded/4.15/xbean-asm7-shaded-4.15.jar:/
Users/chinthanchandra/.m2/repository/org/apache/
hadoop/hadoop-client/2.7.4/hadoop-client-2.7.4.jar
```

```
1 :/Users/chinthanchandra/.m2/repository/org/apache/
hadoop/hadoop-common/2.7.4/hadoop-common-2.7.4.jar
:/Users/chinthanchandra/.m2/repository/commons-cli/
commons-cli/1.2/commons-cli-1.2.jar:/Users/
chinthanchandra/.m2/repository/xmlenc/xmlenc/0.52/
xmlenc-0.52.jar:/Users/chinthanchandra/.m2/
repository/commons-httpclient/commons-httpclient/3.
1/commons-httpclient-3.1.jar:/Users/chinthanchandra
/.m2/repository/commons-io/commons-io/2.4/commons-
io-2.4.jar:/Users/chinthanchandra/.m2/repository/
commons-collections/commons-collections/3.2.2/
commons-collections-3.2.2.jar:/Users/
chinthanchandra/.m2/repository/org/mortbay/jetty/
jetty-sslengine/6.1.26/jetty-sslengine-6.1.26.jar:/
Users/chinthanchandra/.m2/repository/javax/servlet/
jsp/jsp-api/2.1/jsp-api-2.1.jar:/Users/
chinthanchandra/.m2/repository/commons-
configuration/commons-configuration/1.6/commons-
configuration-1.6.jar:/Users/chinthanchandra/.m2/
repository/commons-digester/commons-digester/1.8/
commons-digester-1.8.jar:/Users/chinthanchandra/.m2
/repository/commons-beanutils/commons-beanutils/1.7
.0/commons-beanutils-1.7.0.jar:/Users/
chinthanchandra/.m2/repository/com/google/code/gson
/gson/2.2.4/gson-2.2.4.jar:/Users/chinthanchandra/.m2/
repository/org/apache/hadoop/hadoop-auth/2.7.4/
hadoop-auth-2.7.4.jar:/Users/chinthanchandra/.m2/
repository/org/apache/httpcomponents/httpclient/4.2
.5/httpclient-4.2.5.jar:/Users/chinthanchandra/.m2/
repository/org/apache/httpcomponents/httpcore/4.2.4
/httpcore-4.2.4.jar:/Users/chinthanchandra/.m2/
repository/org/apache/directory/server/apacheds-
kerberos-codec/2.0.0-M15/apacheds-kerberos-codec-2.
0.0-M15.jar:/Users/chinthanchandra/.m2/repository/
org/apache/directory/server/apacheds-i18n/2.0.0-M15
/apacheds-i18n-2.0.0-M15.jar:/Users/chinthanchandra
/.m2/repository/org/apache/directory/api/api-asn1-
api/1.0.0-M20/api-asn1-api-1.0.0-M20.jar:/Users/
chinthanchandra/.m2/repository/org/apache/directory
/api/api-util/1.0.0-M20/api-util-1.0.0-M20.jar:/
Users/chinthanchandra/.m2/repository/org/apache/
```

```
1 curator/curator-client/2.7.1/curator-client-2.7.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/htrace/htrace-core/3.1.0-incubating/htrace-core-3.1.0-incubating.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-hdfs/2.7.4/hadoop-hdfs-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/mortbay/jetty/jetty-util/6.1.26/jetty-util-6.1.26.jar:/Users/chinthanchandra/.m2/repository/xerces/xercesImpl/2.9.1/xercesImpl-2.9.1.jar:/Users/chinthanchandra/.m2/repository/xml-apis/xml-apis/1.3.04/xml-apis-1.3.04.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-mapreduce-client-app/2.7.4/hadoop-mapreduce-client-app-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-mapreduce-client-common/2.7.4/hadoop-mapreduce-client-common-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-yarn-client/2.7.4/hadoop-yarn-client-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-yarn-server-common/2.7.4/hadoop-yarn-server-common-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-mapreduce-client-shuffle/2.7.4/hadoop-mapreduce-client-shuffle-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-yarn-api/2.7.4/hadoop-yarn-api-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-mapreduce-client-core/2.7.4/hadoop-mapreduce-client-core-2.7.4.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-yarn-common/2.7.4/hadoop-yarn-common-2.7.4.jar:/Users/chinthanchandra/.m2/repository/javax/xml/bind/jaxb-api/2.2.2/jaxb-api-2.2.2.jar:/Users/chinthanchandra/.m2/repository/javax/xml/stream/stax-api/1.0-2/stax-api-1.0-2.jar:/Users/chinthanchandra/.m2/repository/org/codehaus/jackson/jackson-jaxrs/1.9.13/jackson-jaxrs-1.9.13.jar:/Users/chinthanchandra/.m2/repository/org/codehaus/jackson/jackson-xc/1.9.13/jackson-xc-1.9.13.jar:/Users/chinthanchandra/.m2/repository/org/apache/hadoop/hadoop-mapreduce-client-jobclient/2.7.4/
```

```
1 hadoop-mapreduce-client-jobclient-2.7.4.jar:/Users/
chinthanchandra/.m2/repository/org/apache/hadoop/
hadoop-annotations/2.7.4/hadoop-annotations-2.7.4.
jar:/Users/chinthanchandra/.m2/repository/org/
apache/spark/spark-launcher_2.12/3.0.1/spark-
launcher_2.12-3.0.1.jar:/Users/chinthanchandra/.m2/
repository/org/apache/spark/spark-kvstore_2.12/3.0.
1/spark-kvstore_2.12-3.0.1.jar:/Users/
chinthanchandra/.m2/repository/org/fusesource/
leveldbjni/leveldbjni-all/1.8/leveldbjni-all-1.8.
jar:/Users/chinthanchandra/.m2/repository/com/
fasterxml/jackson/core/jackson-core/2.10.0/jackson-
core-2.10.0.jar:/Users/chinthanchandra/.m2/
repository/com/fasterxml/jackson/core/jackson-
annotations/2.10.0/jackson-annotations-2.10.0.jar:/
Users/chinthanchandra/.m2/repository/org/apache/
spark/spark-network-common_2.12/3.0.1/spark-network
-common_2.12-3.0.1.jar:/Users/chinthanchandra/.m2/
repository/org/apache/spark/spark-network-shuffle_2
.12/3.0.1/spark-network-shuffle_2.12-3.0.1.jar:/
Users/chinthanchandra/.m2/repository/org/apache/
spark/spark-unsafe_2.12/3.0.1/spark-unsafe_2.12-3.0
.1.jar:/Users/chinthanchandra/.m2/repository/javax/
activation/activation/1.1.1/activation-1.1.1.jar:/
Users/chinthanchandra/.m2/repository/org/apache/
curator/curator-recipes/2.7.1/curator-recipes-2.7.1
.jar:/Users/chinthanchandra/.m2/repository/org/
apache/curator/curator-framework/2.7.1/curator-
framework-2.7.1.jar:/Users/chinthanchandra/.m2/
repository/com/google/guava/guava/16.0.1/guava-16.0
.1.jar:/Users/chinthanchandra/.m2/repository/org/
apache/zookeeper/zookeeper/3.4.14/zookeeper-3.4.14.
jar:/Users/chinthanchandra/.m2/repository/org/
apache/yetus/audience-annotations/0.5.0/audience-
annotations-0.5.0.jar:/Users/chinthanchandra/.m2/
repository/javax/servlet/javax.servlet-api/3.1.0/
javax.servlet-api-3.1.0.jar:/Users/chinthanchandra
/.m2/repository/org/apache/commons/commons-lang3/3.
9/commons-lang3-3.9.jar:/Users/chinthanchandra/.m2/
repository/org/apache/commons/commons-math3/3.4.1/
commons-math3-3.4.1.jar:/Users/chinthanchandra/.m2/
```

```
1 repository/org/apache/commons/commons-text/1.6/
  commons-text-1.6.jar:/Users/chinthanchandra/.m2/
  repository/com/google/code/findbugs/jsr305/3.0.0/
  jsr305-3.0.0.jar:/Users/chinthanchandra/.m2/
  repository/org/slf4j/slf4j-api/1.7.30/slf4j-api-1.7.
  .30.jar:/Users/chinthanchandra/.m2/repository/org/
  slf4j/jul-to-slf4j/1.7.30/jul-to-slf4j-1.7.30.jar:/
  Users/chinthanchandra/.m2/repository/org/slf4j/jcl-
  over-slf4j/1.7.30/jcl-over-slf4j-1.7.30.jar:/Users/
  chinthanchandra/.m2/repository/log4j/log4j/1.2.17/
  log4j-1.2.17.jar:/Users/chinthanchandra/.m2/
  repository/org/slf4j/slf4j-log4j12/1.7.30/slf4j-
  log4j12-1.7.30.jar:/Users/chinthanchandra/.m2/
  repository/com/ning/compress-lzf/1.0.3/compress-lzf
  -1.0.3.jar:/Users/chinthanchandra/.m2/repository/
  org/xerial/snappy/snappy-java/1.1.7.5/snappy-java-1
  .1.7.5.jar:/Users/chinthanchandra/.m2/repository/
  org/lz4/lz4-java/1.7.1/lz4-java-1.7.1.jar:/Users/
  chinthanchandra/.m2/repository/com/github/luben/
  zstd-jni/1.4.4-3/zstd-jni-1.4.4-3.jar:/Users/
  chinthanchandra/.m2/repository/org/roaringbitmap/
  RoaringBitmap/0.7.45/RoaringBitmap-0.7.45.jar:/
  Users/chinthanchandra/.m2/repository/org/
  roaringbitmap/shims/0.7.45/shims-0.7.45.jar:/Users/
  chinthanchandra/.m2/repository/commons-net/commons-
  net/3.1/commons-net-3.1.jar:/Users/chinthanchandra
  /.m2/repository/org/scala-lang/modules/scala-xml_2.
  12/1.2.0/scala-xml_2.12-1.2.0.jar:/Users/
  chinthanchandra/.m2/repository/org/scala-lang/scala-
  library/2.12.10/scala-library-2.12.10.jar:/Users/
  chinthanchandra/.m2/repository/org/scala-lang/scala-
  reflect/2.12.10/scala-reflect-2.12.10.jar:/Users/
  chinthanchandra/.m2/repository/org/json4s/json4s-
  jackson_2.12/3.6.6/json4s-jackson_2.12-3.6.6.jar:/
  Users/chinthanchandra/.m2/repository/org/json4s/
  json4s-core_2.12/3.6.6/json4s-core_2.12-3.6.6.jar:/
  Users/chinthanchandra/.m2/repository/org/json4s/
  json4s-ast_2.12/3.6.6/json4s-ast_2.12-3.6.6.jar:/
  Users/chinthanchandra/.m2/repository/org/json4s/
  json4s-scalap_2.12/3.6.6/json4s-scalap_2.12-3.6.6.
  jar:/Users/chinthanchandra/.m2/repository/org/
```

```
1 glassfish/jersey/core/jersey-client/2.30/jersey-client-2.30.jar:/Users/chinthanchandra/.m2/repository/jakarta/ws/rs/jakarta.ws.rs-api/2.1.6/jakarta.ws.rs-api-2.1.6.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/hk2/external/jakarta.inject/2.6.1/jakarta.inject-2.6.1.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/jersey/core/jersey-common/2.30/jersey-common-2.30.jar:/Users/chinthanchandra/.m2/repository/jakarta/annotation/jakarta.annotation-api/1.3.5/jakarta.annotation-api-1.3.5.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/hk2/osgi-resource-locator/1.0.3/osgi-resource-locator-1.0.3.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/jersey/core/jersey-server/2.30/jersey-server-2.30.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/jersey/media/jersey-media-jaxb/2.30/jersey-media-jaxb-2.30.jar:/Users/chinthanchandra/.m2/repository/jakarta/validation/jakarta.validation-api/2.0.2/jakarta.validation-api-2.0.2.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/jersey/containers/jersey-container-servlet/2.30/jersey-container-servlet-2.30.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/jersey/container/jersey-container-servlet-core/2.30/jersey-container-servlet-core-2.30.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/jersey/inject/jersey-hk2/2.30/jersey-hk2-2.30.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/hk2/hk2-locator/2.6.1/hk2-locator-2.6.1.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/hk2/external/aopalliance-repackaged/2.6.1/aopalliance-repackaged-2.6.1.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/hk2/hk2-api/2.6.1/hk2-api-2.6.1.jar:/Users/chinthanchandra/.m2/repository/org/glassfish/hk2/hk2-utils/2.6.1/hk2-utils-2.6.1.jar:/Users/chinthanchandra/.m2/repository/org/javassist/javassist/3.25.0-GA/javassist-3.25.0-GA.jar:/Users/chinthanchandra/.m2/repository/io/netty/netty-all/4.1.47.Final/netty-all-4.1.47.Final.jar:/Users/chinthanchandra/.m2/repository/com/clearspring/
```

```
1 analytics/stream/2.9.6/stream-2.9.6.jar:/Users/
  chinthanchandra/.m2/repository/io/dropwizard/
  metrics/metrics-core/4.1.1/metrics-core-4.1.1.jar:/
  Users/chinthanchandra/.m2/repository/io/dropwizard/
  metrics/metrics-jvm/4.1.1/metrics-jvm-4.1.1.jar:/
  Users/chinthanchandra/.m2/repository/io/dropwizard/
  metrics/metrics-json/4.1.1/metrics-json-4.1.1.jar:/
  Users/chinthanchandra/.m2/repository/io/dropwizard/
  metrics/metrics-graphite/4.1.1/metrics-graphite-4.1
  .1.jar:/Users/chinthanchandra/.m2/repository/io/
  dropwizard/metrics/metrics-jmx/4.1.1/metrics-jmx-4.
  1.1.jar:/Users/chinthanchandra/.m2/repository/com/
  fasterxml/jackson/core/jackson-databind/2.10.0/
  jackson-databind-2.10.0.jar:/Users/chinthanchandra
  /.m2/repository/com/fasterxml/jackson/module/
  jackson-module-scala_2.12/2.10.0/jackson-module-
  scala_2.12-2.10.0.jar:/Users/chinthanchandra/.m2/
  repository/com/fasterxml/jackson/module/jackson-
  module-paranamer/2.10.0/jackson-module-paranamer-2.
  10.0.jar:/Users/chinthanchandra/.m2/repository/org/
  apache/ivy/ivy/2.4.0/ivy-2.4.0.jar:/Users/
  chinthanchandra/.m2/repository/oro/oro/2.0.8/oro-2.
  0.8.jar:/Users/chinthanchandra/.m2/repository/net/
  razorgine/pyrolite/4.30/pyrolite-4.30.jar:/Users/
  chinthanchandra/.m2/repository/net/sf/py4j/py4j/0.
  10.9/py4j-0.10.9.jar:/Users/chinthanchandra/.m2/
  repository/org/apache/spark/spark-tags_2.12/3.0.1/
  spark-tags_2.12-3.0.1.jar:/Users/chinthanchandra/
  /.m2/repository/org/apache/commons/commons-crypto/1.0
  .0/commons-crypto-1.0.0.jar:/Users/chinthanchandra
  /.m2/repository/org/spark-project/spark/unused/1.0.
  0/unused-1.0.0.jar:/Users/chinthanchandra/.m2/
  repository/org/apache/spark/spark-sql_2.12/3.0.1/
  spark-sql_2.12-3.0.1.jar:/Users/chinthanchandra/.m2
  /repository/com/univocity/univocity-parsers/2.9.0/
  univocity-parsers-2.9.0.jar:/Users/chinthanchandra
  /.m2/repository/org/apache/spark/spark-sketch_2.12/
  3.0.1/spark-sketch_2.12-3.0.1.jar:/Users/
  chinthanchandra/.m2/repository/org/apache/spark/
  spark-catalyst_2.12/3.0.1/spark-catalyst_2.12-3.0.1
  .jar:/Users/chinthanchandra/.m2/repository/org/
```

```
1 codehaus/janino/janino/3.0.16/janino-3.0.16.jar:/Users/chinthanchandra/.m2/repository/org/codehaus/janino/commons-compiler/3.0.16/commons-compiler-3.0.16.jar:/Users/chinthanchandra/.m2/repository/org/antlr/antlr4-runtime/4.7.1/antlr4-runtime-4.7.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/arrow/arrow-vector/0.15.1/arrow-vector-0.15.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/arrow/arrow-format/0.15.1/arrow-format-0.15.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/arrow/arrow-memory/0.15.1/arrow-memory-0.15.1.jar:/Users/chinthanchandra/.m2/repository/com/google.flatbuffers/flatbuffers-java/1.9.0/flatbuffers-java-1.9.0.jar:/Users/chinthanchandra/.m2/repository/org/apache/orc/orc-core/1.5.10/orc-core-1.5.10.jar:/Users/chinthanchandra/.m2/repository/org/apache/orc/orc-shims/1.5.10/orc-shims-1.5.10.jar:/Users/chinthanchandra/.m2/repository/com/google/protobuf/protobuf-java/2.5.0/protobuf-java-2.5.0.jar:/Users/chinthanchandra/.m2/repository/commons-lang/commons-lang/2.6/commons-lang-2.6.jar:/Users/chinthanchandra/.m2/repository/io/airlift/aircompressor/0.10/aircompressor-0.10.jar:/Users/chinthanchandra/.m2/repository/org/threeten/threeten-extra/1.5.0/threeten-extra-1.5.0.jar:/Users/chinthanchandra/.m2/repository/org/apache/orc/orc-mapreduce/1.5.10/orc-mapreduce-1.5.10.jar:/Users/chinthanchandra/.m2/repository/org/apache/hive/hive-storage-api/2.7.1/hive-storage-api-2.7.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/parquet/parquet-column/1.10.1/parquet-column-1.10.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/parquet/parquet-common/1.10.1/parquet-common-1.10.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/parquet/parquet-encoding/1.10.1/parquet-encoding-1.10.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/parquet/parquet-hadoop/1.10.1/parquet-hadoop-1.10.1.jar:/Users/chinthanchandra/.m2/repository/org/apache/parquet/parquet-format/2.4.0/parquet-format-2.4.0.jar:/Users/chinthanchandra/.m2/repository/org/
```

```
1 apache/parquet/parquet-jackson/1.10.1/parquet-
jackson-1.10.1.jar:/Users/chinthanchandra/.m2/
repository/org/apache/spark/spark-streaming_2.12/3.
0.1/spark-streaming_2.12-3.0.1.jar:/Users/
chinthanchandra/.m2/repository/org/apache/spark/
spark-mllib_2.12/3.0.1/spark-mllib_2.12-3.0.1.jar:/
Users/chinthanchandra/.m2/repository/org/scala-lang
/modules/scala-parser-combinators_2.12/1.1.2/scala-
parser-combinators_2.12-1.1.2.jar:/Users/
chinthanchandra/.m2/repository/org/apache/spark/
spark-graphx_2.12/3.0.1/spark-graphx_2.12-3.0.1.jar
:/Users/chinthanchandra/.m2/repository/com/github/
fommil/netlib/core/1.1.2/core-1.1.2.jar:/Users/
chinthanchandra/.m2/repository/net/sourceforge/f2j/
arpack_combined_all/0.1/arpack_combined_all-0.1.jar
:/Users/chinthanchandra/.m2/repository/org/apache/
spark/spark-mllib-local_2.12/3.0.1/spark-mllib-
local_2.12-3.0.1.jar:/Users/chinthanchandra/.m2/
repository/org/scalanlp/breeze_2.12/1.0/breeze_2.12
-1.0.jar:/Users/chinthanchandra/.m2/repository/org/
scalanlp/breeze-macros_2.12/1.0/breeze-macros_2.12-
1.0.jar:/Users/chinthanchandra/.m2/repository/net/
sf/opencsv/opencsv/2.3/opencsv-2.3.jar:/Users/
chinthanchandra/.m2/repository/com/github/
wendykierp/JTransforms/3.1/JTransforms-3.1.jar:/
Users/chinthanchandra/.m2/repository/pl/edu/icm/
JLargeArrays/1.5/JLargeArrays-1.5.jar:/Users/
chinthanchandra/.m2/repository/com/chuusai/
shapeless_2.12/2.3.3/shapeless_2.12-2.3.3.jar:/
Users/chinthanchandra/.m2/repository/org/typelevel/
macro-compat_2.12/1.1.1/macro-compat_2.12-1.1.1.jar
:/Users/chinthanchandra/.m2/repository/org/
typelevel/spire_2.12/0.17.0-M1/spire_2.12-0.17.0-M1
.jar:/Users/chinthanchandra/.m2/repository/org/
typelevel/spire-macros_2.12/0.17.0-M1/spire-
macros_2.12-0.17.0-M1.jar:/Users/chinthanchandra/.
m2/repository/org/typelevel/spire-platform_2.12/0.
17.0-M1/spire-platform_2.12-0.17.0-M1.jar:/Users/
chinthanchandra/.m2/repository/org/typelevel/spire-
util_2.12/0.17.0-M1/spire-util_2.12-0.17.0-M1.jar:/
Users/chinthanchandra/.m2/repository/org/typelevel/
```

```
1 machinist_2.12/0.6.8/machinist_2.12-0.6.8.jar:/  
  Users/chinthanchandra/.m2/repository/org/typelevel/  
  algebra_2.12/2.0.0-M2/algebra_2.12-2.0.0-M2.jar:/  
  Users/chinthanchandra/.m2/repository/org/typelevel/  
  cats-kernel_2.12/2.0.0-M4/cats-kernel_2.12-2.0.0-M4  
  .jar:/Users/chinthanchandra/.m2/repository/org/  
  scala-lang/modules/scala-collection-compat_2.12/2.1  
  .1/scala-collection-compat_2.12-2.1.1.jar:/Users/  
  chinthanchandra/.m2/repository/org/glassfish/jaxb/  
  jaxb-runtime/2.3.2/jaxb-runtime-2.3.2.jar:/Users/  
  chinthanchandra/.m2/repository/jakarta/xml/bind/  
  jakarta.xml.bind-api/2.3.2/jakarta.xml.bind-api-2.3  
  .2.jar:/Users/chinthanchandra/.m2/repository/com/  
  sun/istack/istack-commons-runtime/3.0.8/istack-  
  commons-runtime-3.0.8.jar:/Users/chinthanchandra/.  
  m2/repository/org/apache/spark/spark-sql-kafka-0-  
  10_2.12/3.0.1/spark-sql-kafka-0-10_2.12-3.0.1.jar:/  
  Users/chinthanchandra/.m2/repository/org/apache/  
  spark/spark-token-provider-kafka-0-10_2.12/3.0.1/  
  spark-token-provider-kafka-0-10_2.12-3.0.1.jar:/  
  Users/chinthanchandra/.m2/repository/org/apache/  
  kafka/kafka-clients/2.4.1/kafka-clients-2.4.1.jar:/  
  Users/chinthanchandra/.m2/repository/org/apache/  
  commons/commons-pool2/2.6.2/commons-pool2-2.6.2.jar  
  :/Users/chinthanchandra/.m2/repository/com/theasi/  
  plotly_2.11/0.2.0/plotly_2.11-0.2.0.jar:/Users/  
  chinthanchandra/.m2/repository/org/scalaj/scalaj-  
  http_2.11/2.2.1/scalaj-http_2.11-2.2.1.jar:/Users/  
  chinthanchandra/.m2/repository/org/json4s/json4s-  
  native_2.11/3.3.0/json4s-native_2.11-3.3.0.jar:/  
  Users/chinthanchandra/.m2/repository/org/json4s/  
  json4s-core_2.11/3.3.0/json4s-core_2.11-3.3.0.jar:/  
  Users/chinthanchandra/.m2/repository/org/json4s/  
  json4s-ast_2.11/3.3.0/json4s-ast_2.11-3.3.0.jar:/  
  Users/chinthanchandra/.m2/repository/org/json4s/  
  json4s-scalap_2.11/3.3.0/json4s-scalap_2.11-3.3.0.  
  jar:/Users/chinthanchandra/.m2/repository/org/scala-  
  lang/modules/scala-xml_2.11/1.0.5/scala-xml_2.11-1  
  .0.5.jar org.graphstream.GraphStream  
2 WARNING: An illegal reflective access operation has  
occurred
```

```
3 WARNING: Illegal reflective access by org.apache.
spark.unsafe.Platform (file:/Users/chinthanchandra
/.m2/repository/org/apache/spark/spark-unsafe_2.12/
3.0.1/spark-unsafe_2.12-3.0.1.jar) to constructor
java.nio.DirectByteBuffer(long,int)
4 WARNING: Please consider reporting this to the
maintainers of org.apache.spark.unsafe.Platform
5 WARNING: Use --illegal-access=warn to enable
warnings of further illegal reflective access
operations
6 WARNING: All illegal access operations will be
denied in a future release
7 First SparkContext:
8 APP Name :Graph Stream
9 Deploy Mode :client
10 Master :local[*]
11 start:2023-12-11T08:14:37.363Z
12 target/output/embeddings_after/window_0_model
13 inputRows: 4000
14 latency: 8.446666666666667
15 throughput: 157.82828282828282
16
17 target/output/embeddings_after/window_1_model
18 inputRows: 12500
19 latency: 6.801
20 throughput: 612.624975495001
21
22 target/output/embeddings_after/window_2_model
23 inputRows: 13500
24 latency: 10.406
25 throughput: 432.4289695377815
26
27 target/output/embeddings_after/window_3_model
28 inputRows: 15500
29 latency: 11.99233333333333
30 throughput: 430.8308085721433
31
32 target/output/embeddings_after/window_4_model
33 inputRows: 18000
34 latency: 13.952
35 throughput: 430.0355973911174
```

```
36
37 target/output/embeddings_after/window_5_model
38 inputRows: 20684
39 latency: 16.89966666666667
40 throughput: 407.9684418145956
41
42 target/output/embeddings_after/window_6_model
43 inputRows: 25316
44 latency: 21.723
45 throughput: 388.4669091132287
46
47 target/output/embeddings_after/window_7_model
48 inputRows: 32500
49 latency: 52.267
50 throughput: 207.26908629409252
51
52 target/output/embeddings_after/window_8_model
53 inputRows: 78000
54 latency: 94.59833333333333
55 throughput: 274.8453114208798
56
57 target/output/embeddings_after/window_9_model
58 inputRows: 141500
59 latency: 183.566
60 throughput: 256.9466386295211
61
62 target/output/embeddings_after/window_10_model
63 inputRows: 274000
64 latency: 410.93
65 throughput: 222.26007673650824
66
67
68 Process finished with exit code 137 (interrupted by
   signal 9: SIGKILL)
69
```