Date:14-08-2022

## **COURSE ID: 20TS3103AA**

## COURSE NAME: JAVA FULL STACK DEVELOPMENT + MICROSERVICES LAB:01

ID:2000030185

NAME: SUPRITH CH

• Implement a Maven Java Basic Project [Java SE] using mavenarchetype-quickstart in interactive mode through command prompt.

```
indows\System32\cmd.exe-mvn archetype:generate
ift Windows [Version 18.0.22000.795]
rosoft Corporation. All rights reserved.
              (3-1\Maven_Projects>mvn archetype:generate
IFO] Scanning for projects...
                                                               Windows/System32mcdase

// resort > yu s. fatehi:schemacrowler-archetype-plugin-deconnector (-)
resort > yu s. fatehi:schemacrowler-archetype-plugin-lint (-)
resort > yu s. fatehi:schemacrowler-archetype (hopen Achetype for Osiris)
resort > yu s. yu s.
1.14

Source a number: 8: 8

Fine value for property 'groupid': com.klef.jfsd

Fine value for property 'artifactId': samplemavenproject

Fine value for property 'version' 1.0-SNAPSHOT: :

Fine value for property 'version' 1.0-SNAPSHOT: :

Fine value for property 'version' 1.0-SNAPSHOT: :

Fine value for property 'seckage' com.klef.jfsd: :

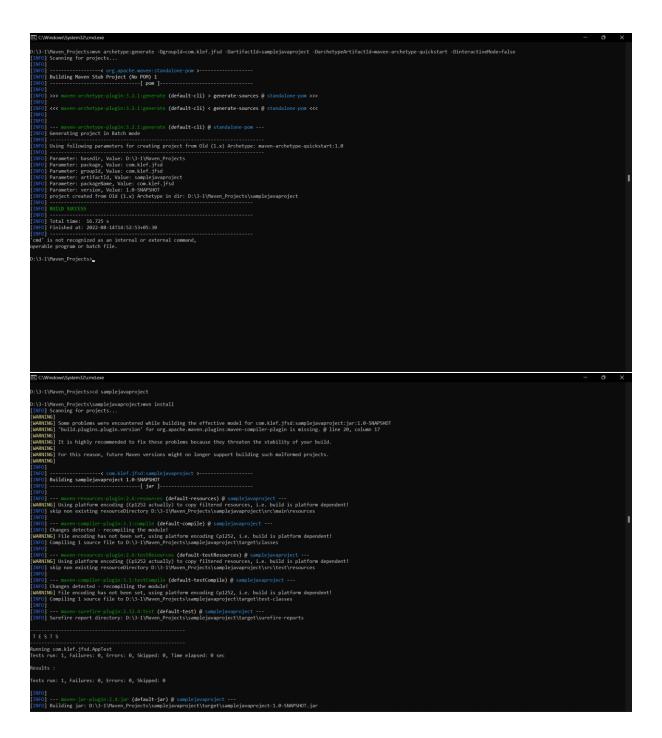
Fine value for property is configuration;

roupid: com.klef.jfsd

**CHANTSHOT COM.KL
                                                               Parameter: groupId, Walue: com.klef.jfsd
Parameter: artifactId, Value: camplemevenproject
Parameter: erssion, Value: 1.0-5MBPSHOT
Parameter: package, Value: com.klef.jfsd
Parameter: package, Value: com.klef.jfsd
Parameter: package, Value: com.klef.jfsd
Parameter: package, Value: com.klef.jfsd
Parameter: groupId, Value: com.klef.jfsd
Parameter: artifactId, Value: samplemavenproject
Parameter: erssion, Value: 1.0-5MBPSHOT
Project created from Archetype in dir: D:\landbashOT
Project created from Archetype i
                                                          is not recognized as an internal or external command,
le program or batch file.
```



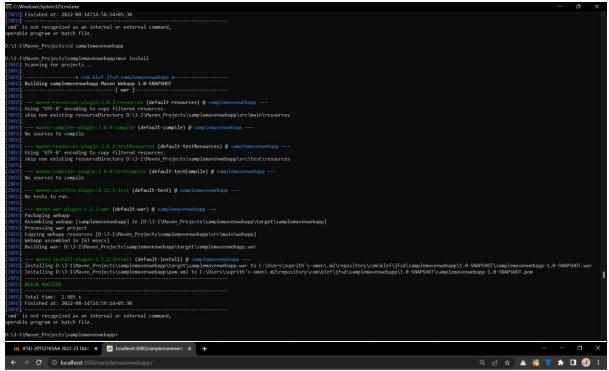
• Implement a Maven Java Basic Project [Java SE] using mavenarchetype-quickstart in batch mode through command prompt.



```
### Comparison of the Comparis
```

 Implement a Maven Java Web Project [Java EE] using mavenarchetype-webapp in batch mode through command prompt.

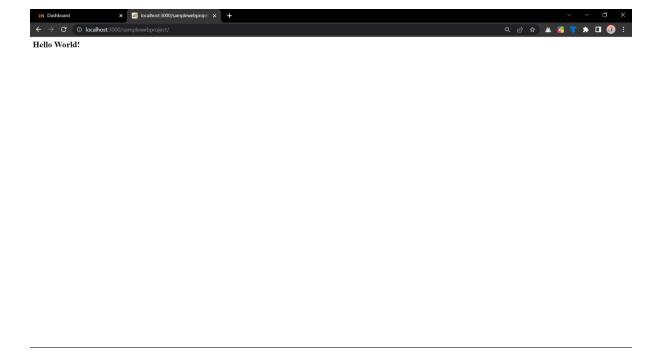
```
yMemilyAndese
> Us. fatehiis.schemacrauler-archetype-plugin-command (-)
> Us. fatehiis.schemacrauler-archetype-plugin-docomnector (-)
> Us. fatehiis.schemacrauler-archetype-plugin-docomnector (-)
> Us. fatehiis.schemacrauler-archetype-plugin-lint (-)
> Us. fatehiis.schemacrauler-archetype-(Mavon Archetype for Osiris)
> Ws.Lluan.generator:Wsz-generator (-)
> Wsz.Lluan.generator:Wsz-generator (-)
> 2a.co. absa.hyperdirve:component-archetype (-)
> 2a.co. absa.hyperdirve:component-archetype_2.11 (-)
> 2a.co. absa.hyperdirve:component-archetype_2.12 (-)
= Us. Co. absa.hyperdirve:Component-archetype_3.12 (-)
= Us. 
                       a number: 7: 7
value for property 'groupId': com.klef.jfcd
value for property 'artifactId': samplemovenwebapp
value for property 'version' 1.0-SMPGMOT: ;
value for property 'package' com.klef.jfsd: :
properties configuration:
d: com.klef.jfsd
cttd: samplemovemebapp
                       Parameter: groupId, Value: com.klef.jfsd
Parameter: artifactId, Value: samplemavemeebapp
Parameter: version, Value: 1.0-SUMPSHOT
Parameter: package, Value: com.klef.jfsd
Parameter: package, Value: com.klef.jfsd
Parameter: package, Value: com.klef.jfsd
Parameter: package, Value: com.klef.jfsd
Parameter: artifactId, Value: samplemavemeebapp
Parameter: artifactId, Value: samplemavemeebapp
Parameter: version, Value: 1.0-SUMPSHOT
Project created from Archetype in dir: D:\3-1VMaven_Projects\samplemavemeebapp
                       is not recognized as an internal or external command,
le program or batch file.
C:\Windows\System32\cmd.exe - mvn install 
:kage: com.klef.jfsd
                       Using following parameters for creating project from Archetype: maven-archetype
Parameter: arctifactid, Value: samplemavenmebapp
Parameter: arctifactid, Value: samplemavenmebapp
Parameter: arctifactid, Value: samplemavenmebapp
Parameter: processor, Value: arctifactid, Value: arctifactid, Value: arctifactid, Value: arctifactid, Value: arctifactid, Value: com/klef/jfdd
Parameter: prokage, Value: com/klef.jfdd
Parameter: arctifactid, Value: samplemavenmebapp
Parameter: arctifactid, Value: samplemavenmebapp
Parameter: arctifactid, Value: samplemavenmebapp
Project created from Archetype in dir: D:\(3-\)1\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)2\(\sumetarcolong{Avenue}\)3\(\sumetarcolong{Avenue}\)3\(\sumetarcolong{Avenue}\)3\(\sumetarcolong{Avenue}\)3\(\sumeta
                            Total time: 01:53 min
Finished at: 2022-08-14T14:58:54+05:30
                       is not recognized as an internal or external command,
le program or batch file.
                          Com.klef.jfsd:samplemavenwebapp >
Building samplemavenwebapp Maven Webapp 1.0-SNAPSHOT
[ War ]
                            --- maven-resources-plugin:3.0.2:resources (default-resources) @ samplemavenuebapp ---
Using 'UTF-8' encoding to copy filtered resources.
skip non existing resourceDirectory D:\3-1\Maven_Projects\samplemavenuebapp\src\main\resource
                          --- maven-compiler-plugin:3.8.0:compile (default-compile) @ samplemavenwebag
No sources to compile
                            --- maven-resources.plugin:1.0.2:testResources (default-testResources) @ samplemavenwebapp --- 
Using 'UIT-8' encoding to copy filtered resources. 
skip non existing resourceDirectory D:1.3-1/Mayen_Projects\samplemavenwebapp\src\test\tresources
                          --- mayen-compiler-plugin:3.8.0:testCompile (default-testCompile) @ samplemayen
No sources to compile
```



Hello World!

Implement a Maven Java Web Project [Java EE] using maven-archetypewebapp in batch mode through command prompt

```
noows/systems.crom.exe
Copying webapp resources [D:\3-1\Maven_Projects\samplemavenwebapp\src\main\webapp]
Webapp assembled in [63 msecs]
Building war: D:\3-1\Maven_Projects\samplemavenwebapp\target\samplemavenwebapp.war
               --- aven-install-plugin:2.5.2:install (default-install) @ samplemavenmebapp ...
Installing D:\b-l\Waven_Projects\samplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp.user to C:\Wsers\suprith's-omen\.ma\repository\com\klef\jfsd\samplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplemavenmebapp\frace\timesplema
             is not recognized as an internal or external command,
le program or batch file.
 \3-1\Maven Projects\samplemave
               Maven_Projects>mwn_archetype:generate -DgroupId=com.klef.jfsd -DartifactId=samplewebproject -DarchetypeArtifactId=maven-archetype-webapp -DinteractiveMode=false
Scanning for projects...
              Parameter: basedir, Value: D:\3-1\Maven.Projects
Parameter: package, Value: com.klef.jfsd
Parameter: groupid, Value: com.klef.jfsd
Parameter: artifactid, Value: samplewebproject
Parameter: packagelame, Value: com.klef.jfsd
Parameter: packagelame, Value: com.klef.jfsd
Parameter: packagelame, Value: com.klef.jfsd
parameter: version, Value: 1.0-8\M295\M201001
project created from Old (1.x) Archetype in dir: D:\3-1\Maven_Projects\samplewebproject
               s not recognized as an internal or external command, e program or batch file.
md' is not recognized as an internal or external command, erable program or batch file.
\3-1\Maven_Projects>cd samplewebproject
\3-1\Maven_Projects\samplewebproject>mvn install NFO] Scanning for projects...
                      Some problems were encountered while building the effective model for com.klef.jfsd:samplewebproject:war:1.0-SNAPSHOI 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 21, column 17
                       For this reason, future Maven versions might no longer support building such malformed projects.
              --- maven-resources-plugin:2.6:resources (default-resources) @ samplemebproject ---
NG] Using platform encoding ((p1252 actually) to copy filtered resources, i.e. build is platform dependent!
Copying @ resources, i.e.
               --- maven-compiler-plugin:3.1:compile (default-compile) @ samplewebproject -
No sources to compile
             --- maven-resources plugin:2.6:testMesources (default-testMesources) @ samplemebproject ---
MG] Using platform encoding (6p1252 actually) to copy filtered resources, i.e. build is platform dependent!
skip nom existing resourceflorectory 0:13-1VMaven_ProjectsLamplemebprojectIsrct(testVesources
              --- maven-compiler-plugin:1.1:testCompile (default-testCompile) @ samplewebproject ----
No sources to compile
              --- maven-surefire-plugin:2.12.4:test (default-test) @ samplewebproject ---
No tests to run.
                   -- mayen-war-plugin:2.2:war (default-war) @ samplemebproject ---
An illegal reflective access operation has occurred
Illegal reflective access operation has occurred
Illegal reflective access by com.thoughtworks.xstream.core.util.Fields (file:/C:/Users/suprith's-omen/.m2/repository/com/thoughtworks/xstream/xstream/1.3.1/xstream-1.3.1.jar) to field java.util.Properti
               ults:
Please consider reporting this to the maintainers of com.thoughtworks xstream.core.util.fields:
Use -illegal-accesswarn to enable warmings of further illegal reflective access operations:
All illegal access operations will be denied in a future release
Packaging webupp
Assembling webupp [samplewebproject] in [D:\3-1\Maven_Projects\samplewebproject\target\samplewebproject]
Processing war project
Goypring webup prosurers [D:\3-1\Maven_Projects\samplewebproject\target\samplewebproject]
Webupp assembled in [D4 msecs]
Webupp assembled in [D4 msecs]
Webupp acceded in [D4 msecs]
```



• Generate site documentation for all above 4 projects using mvn: site command



