St. Francis Institute of Technology, Mumbai-400 103 Department Of Information Technology

A.Y. 2023-2024 Class: TE-ITA/B, Semester: V Subject: DevOps Lab

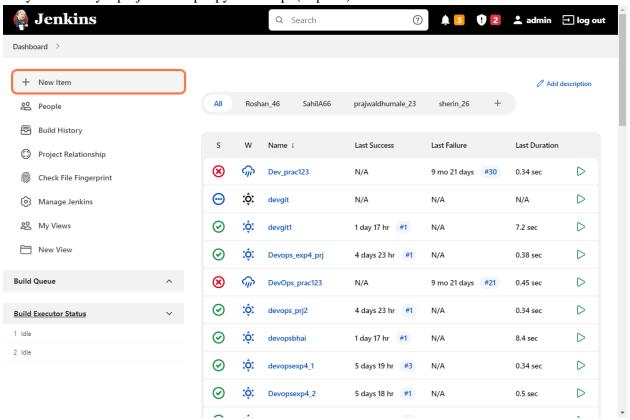
Experiment – 5: To implement continuous integration with Jenkins

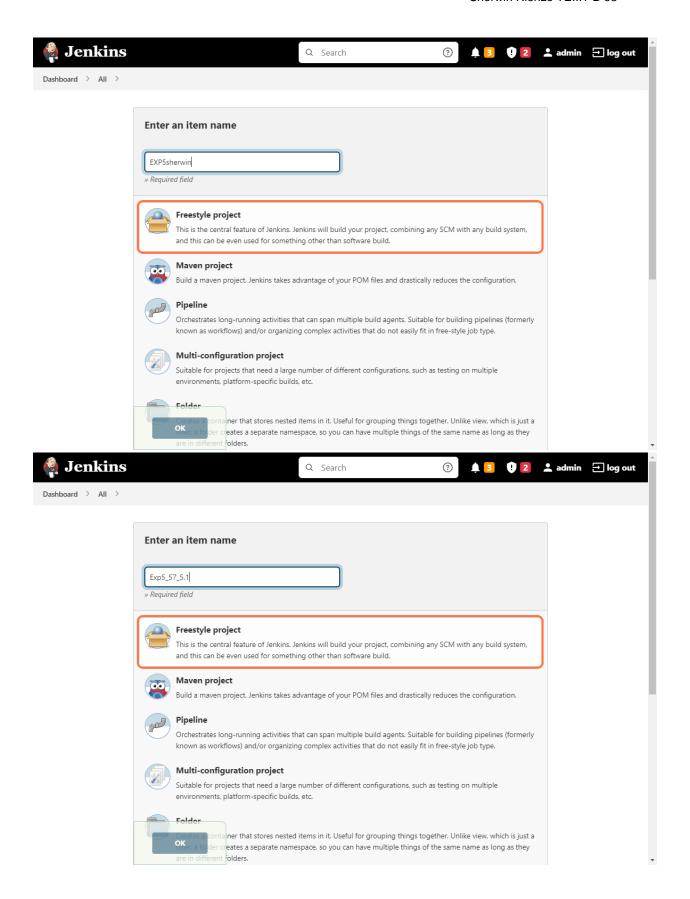
List of screenshots to be included in this experiment

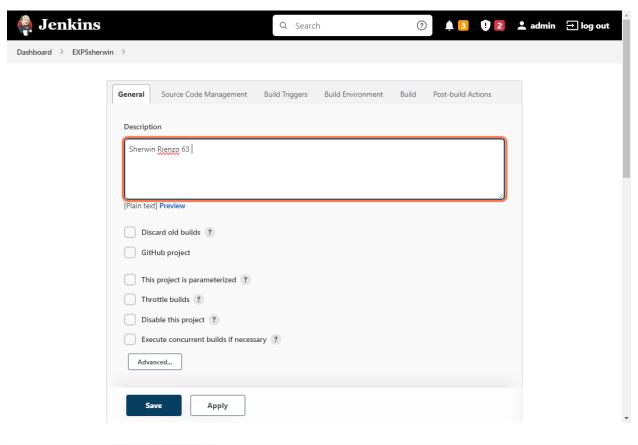
7b. Execute following (Refer the shared material) and attach screenshots:

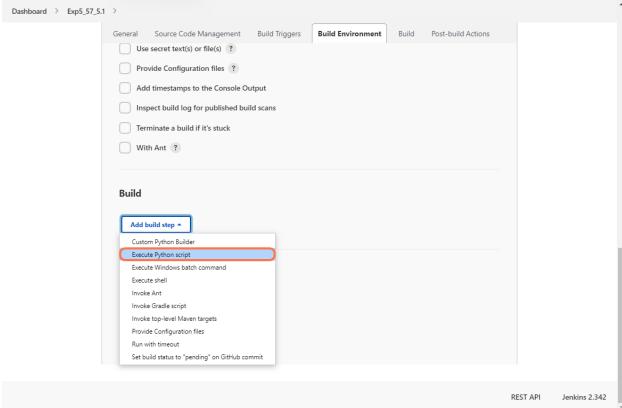
• Build jobs in Jenkins

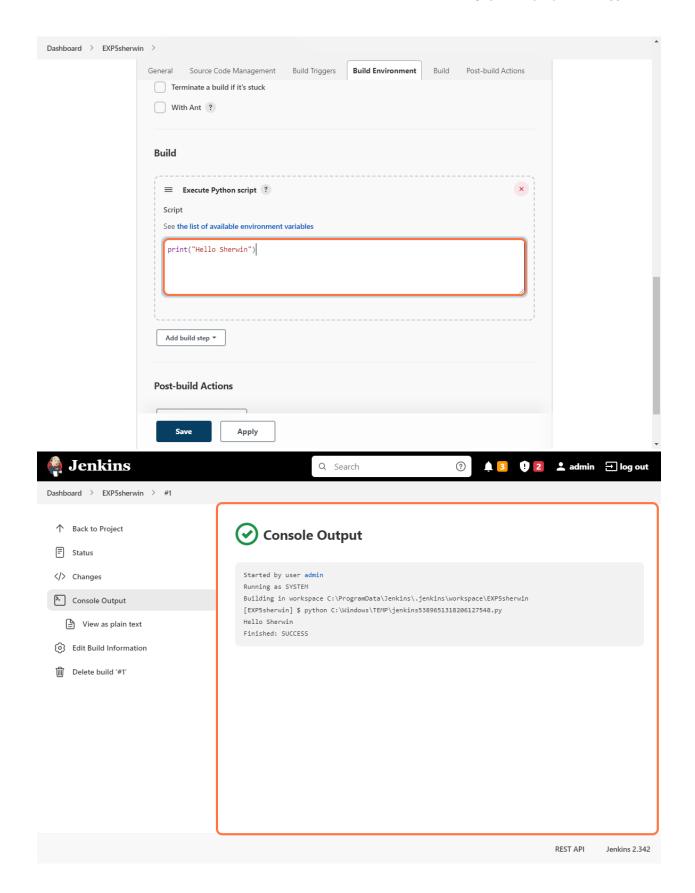
1. Python freestyle project – simple python script (implicit)



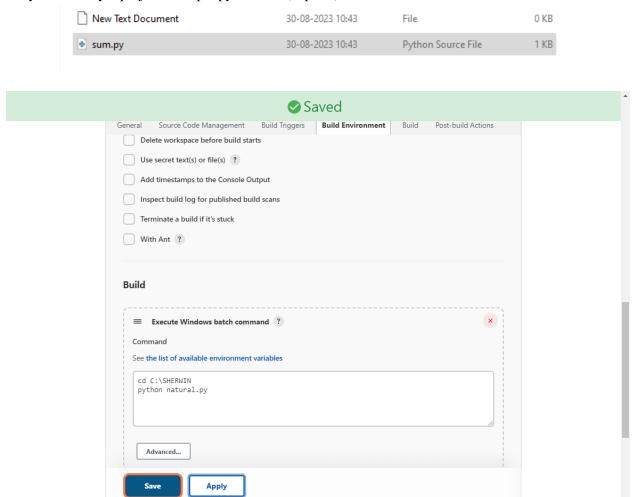


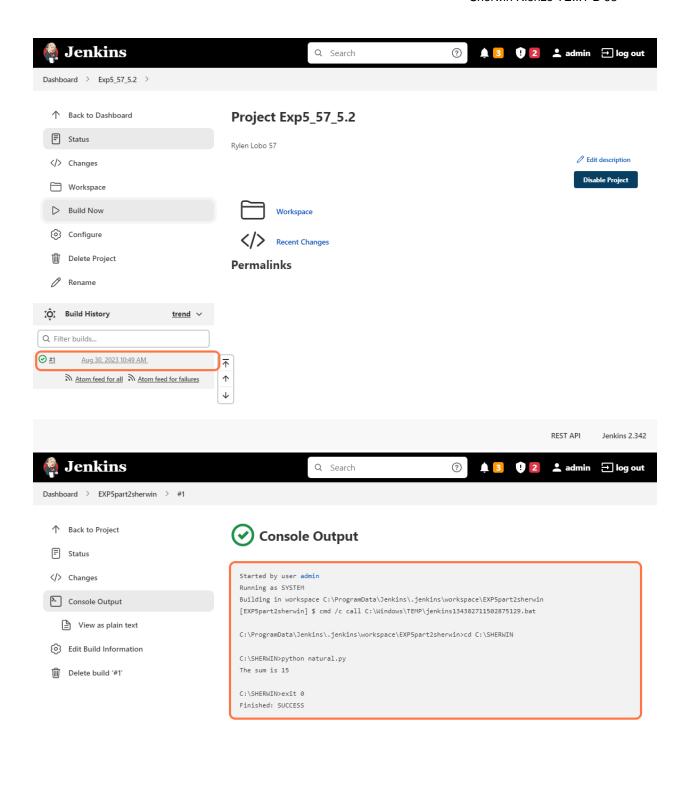




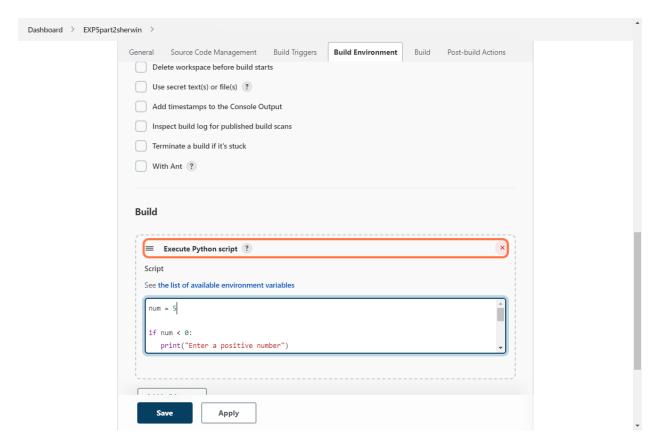


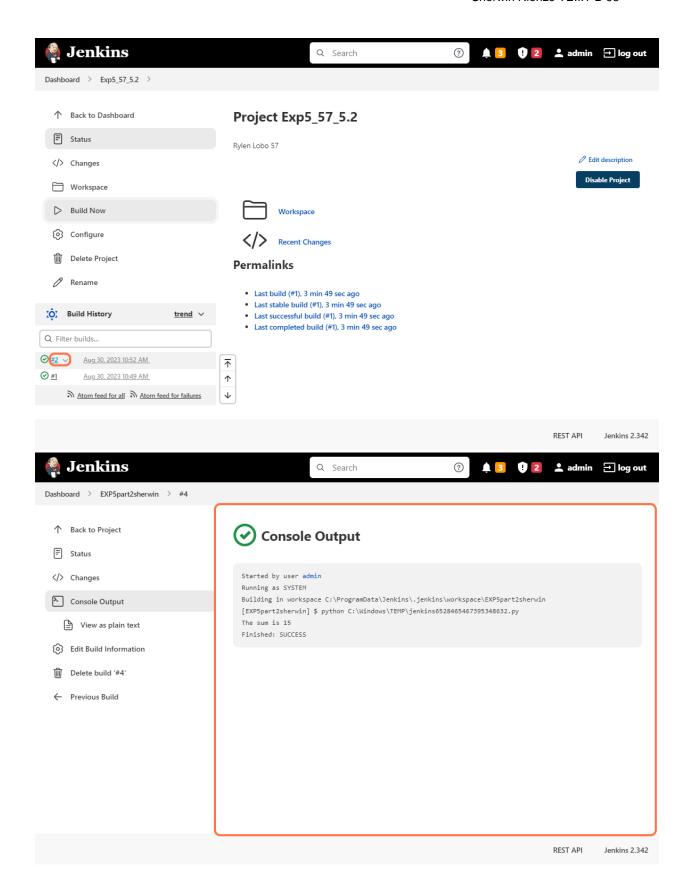
2. Python freestyle project – simple python file (explicit)

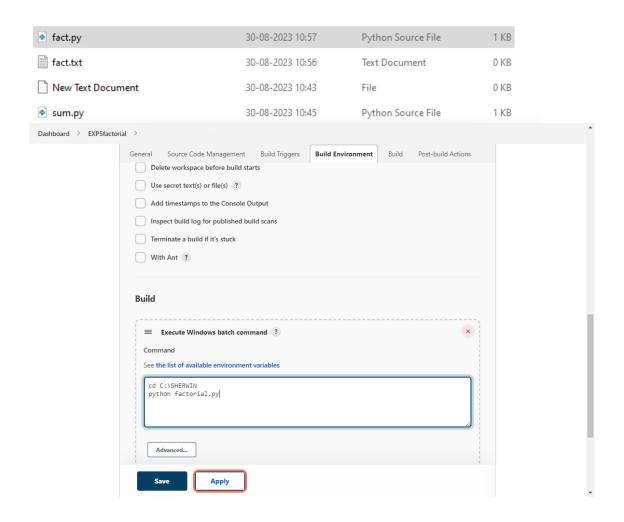


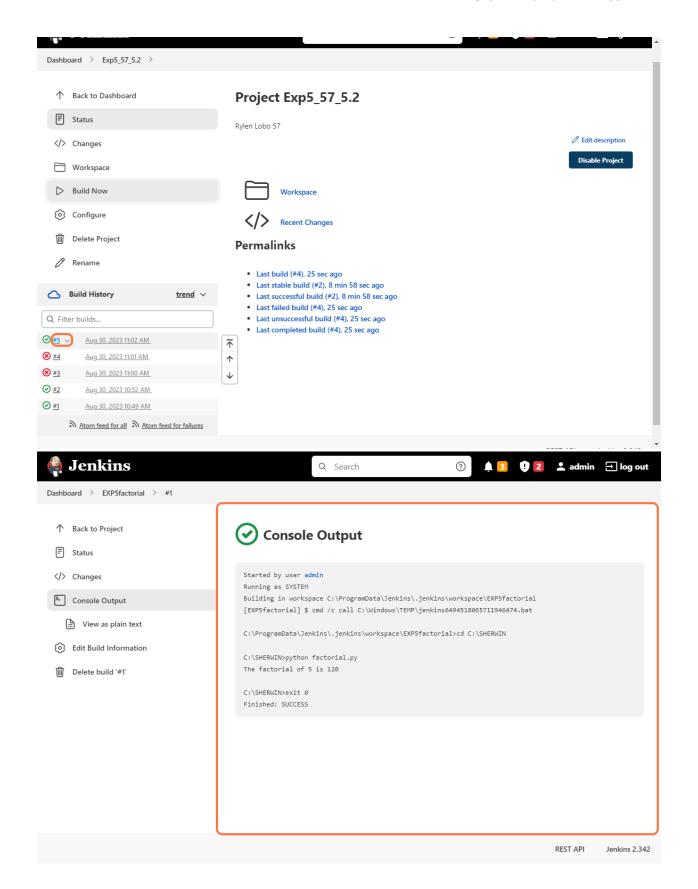


```
"num = 5
if num < 0:
    print("Enter a positive number")
else:
    sum = 0
    # use while loop to iterate until zero
    while(num > 0):
        sum += num
        num -= 1
    print("The sum is", sum)"
```

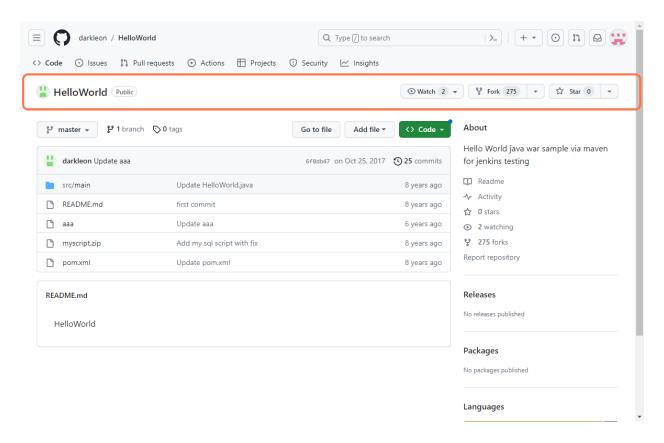


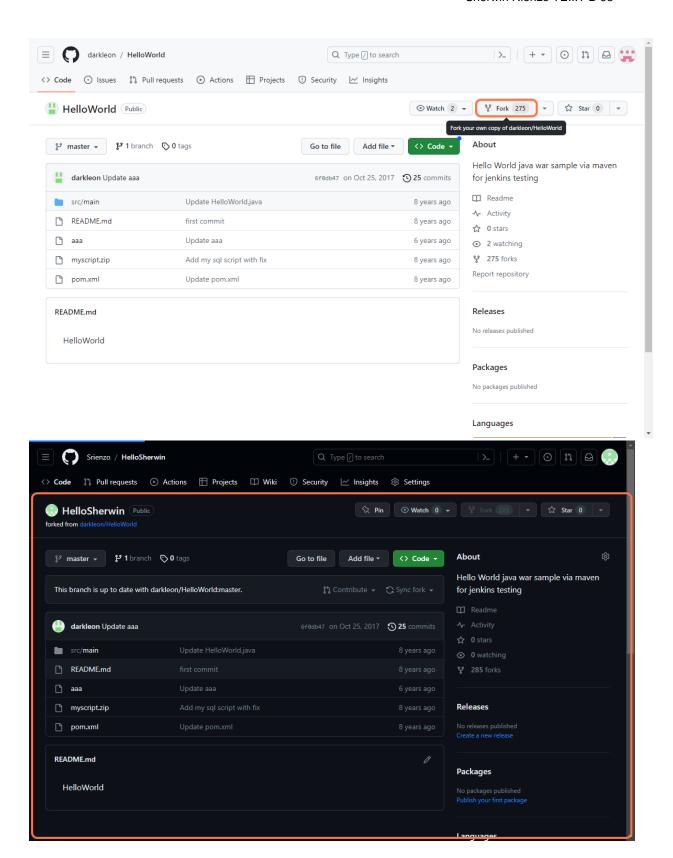


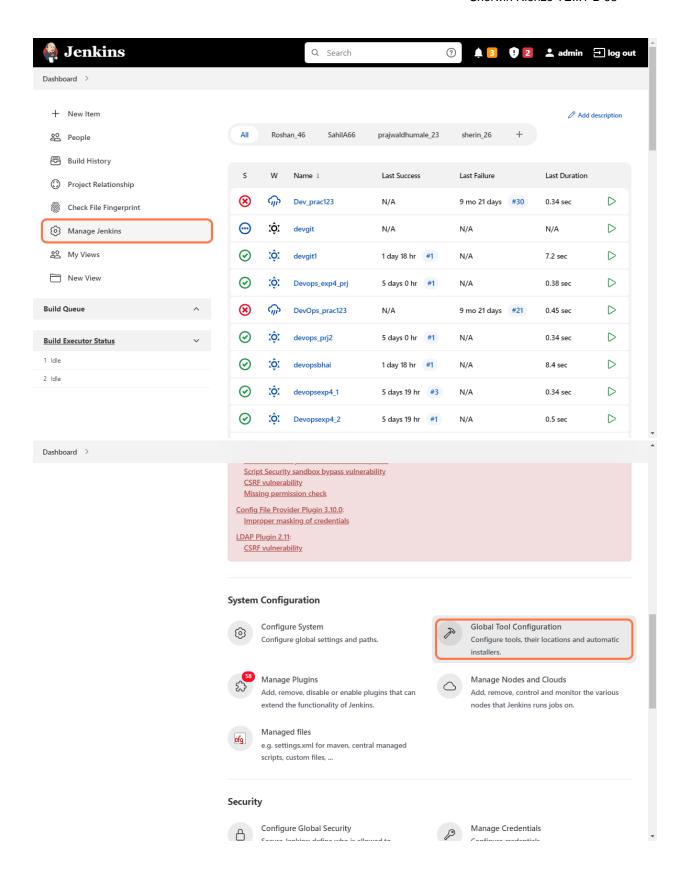


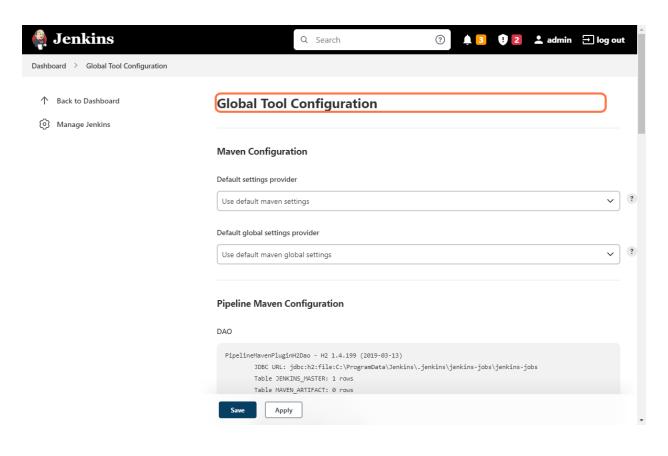


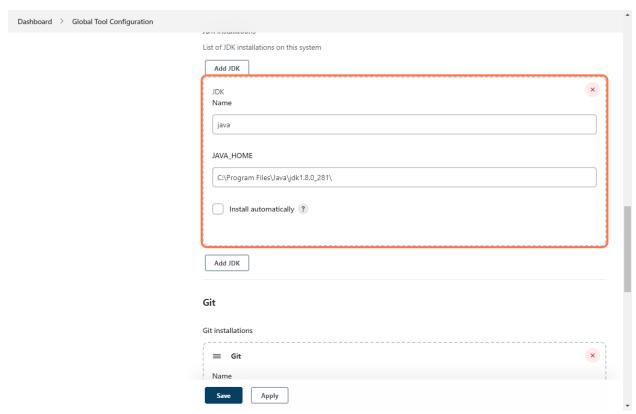
3. Maven freestyle project – Fork repository and Build goals, verify creation of jar/war

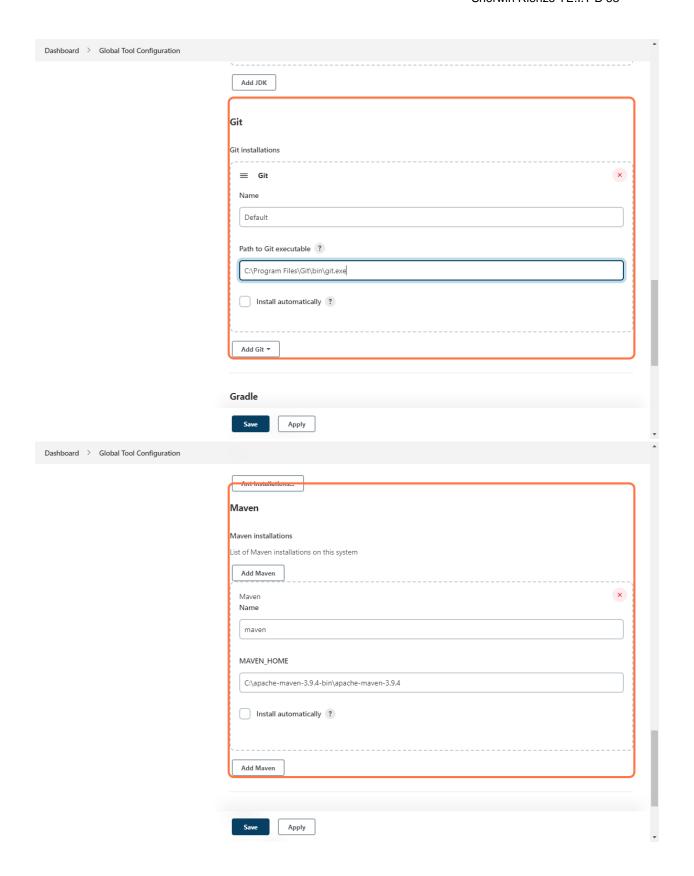


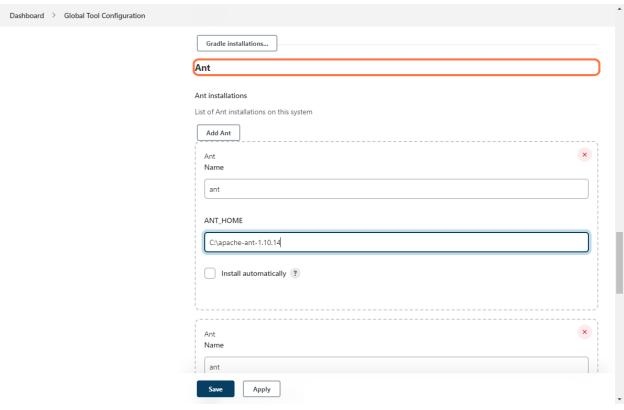


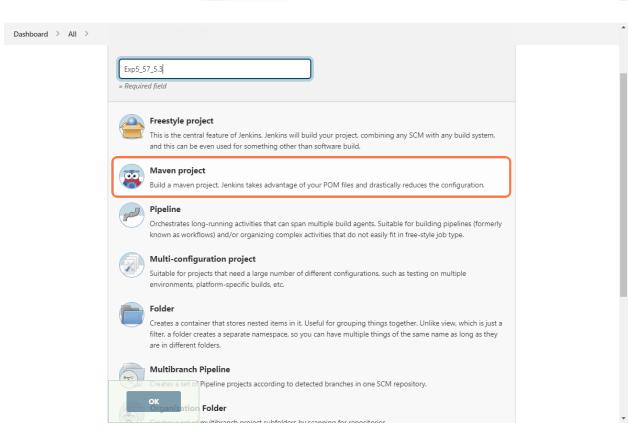


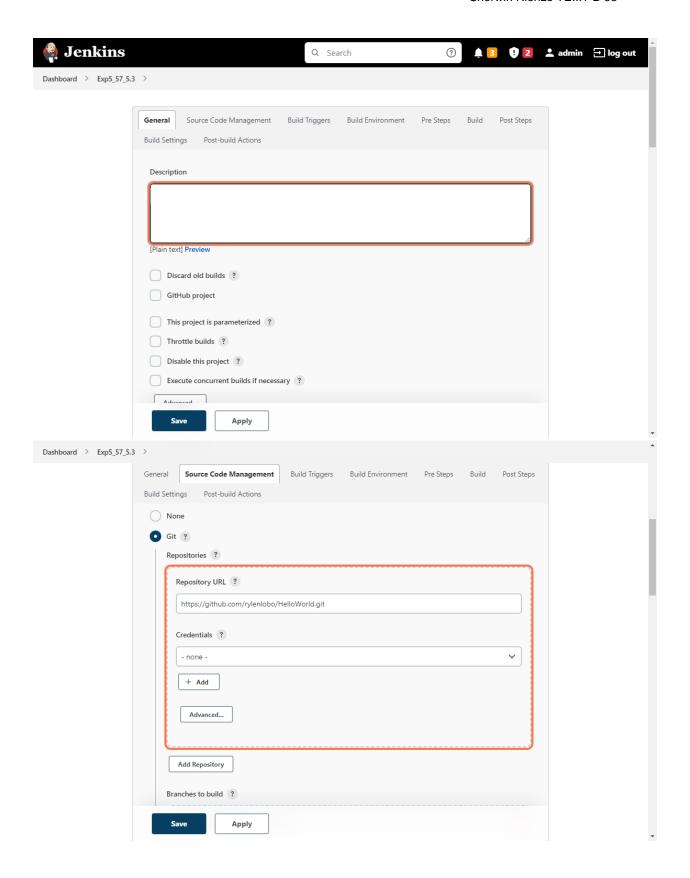


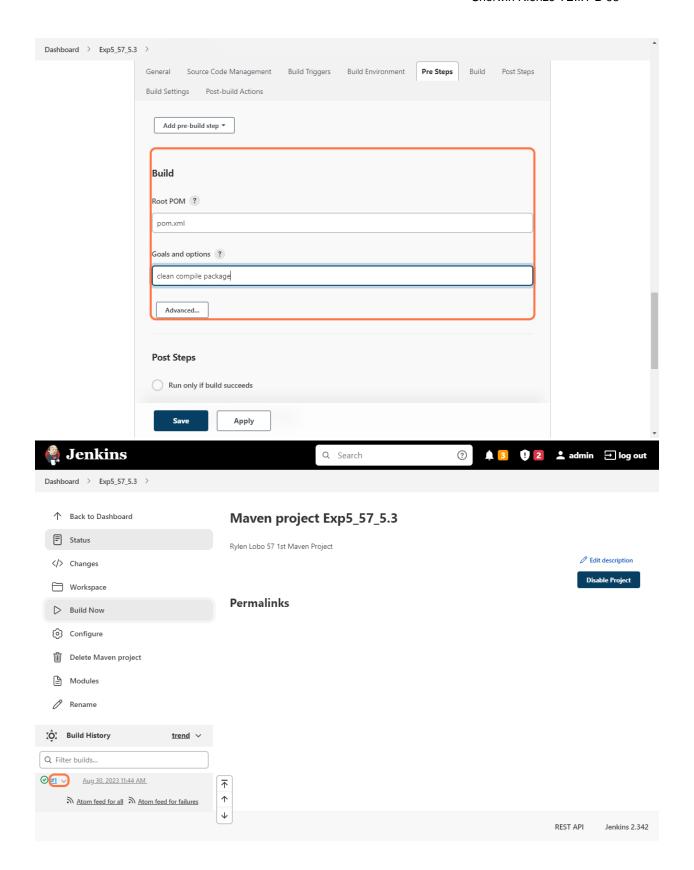






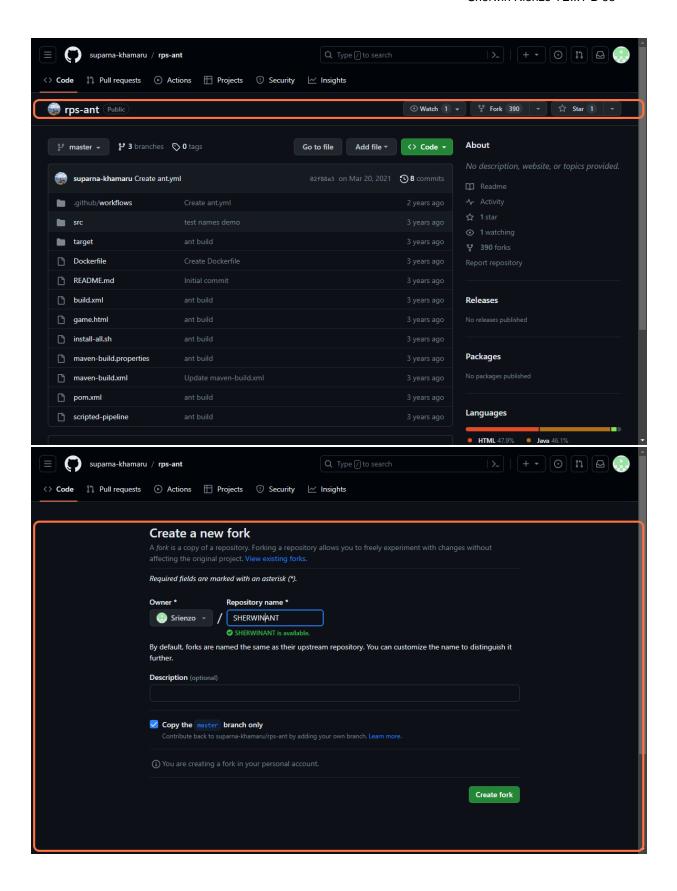


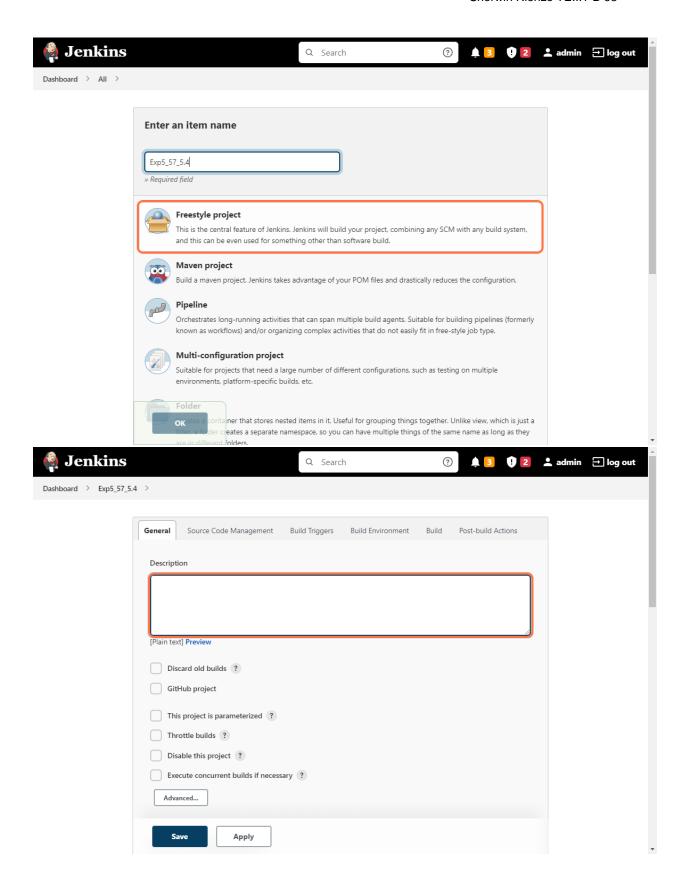


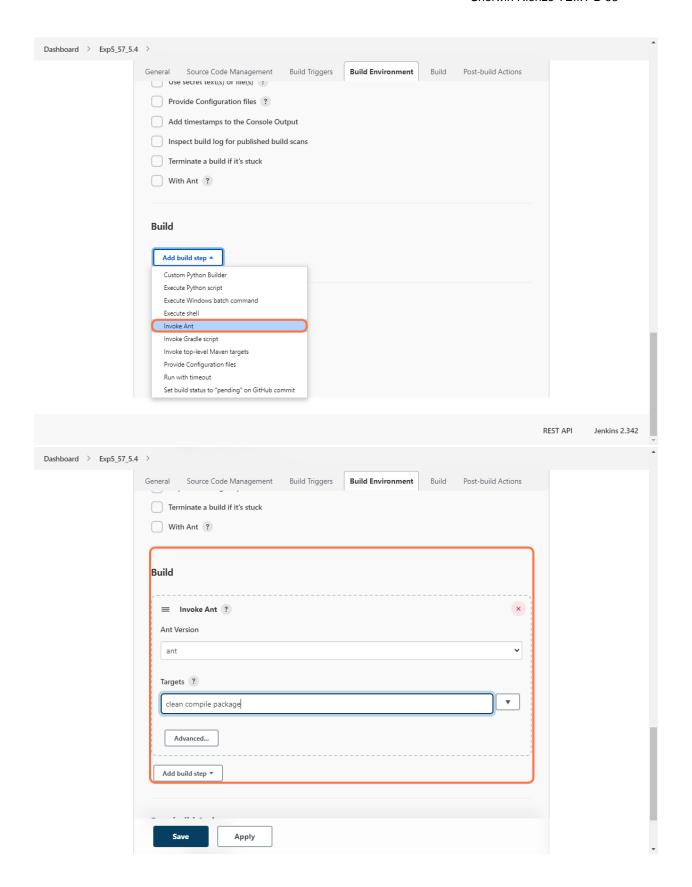


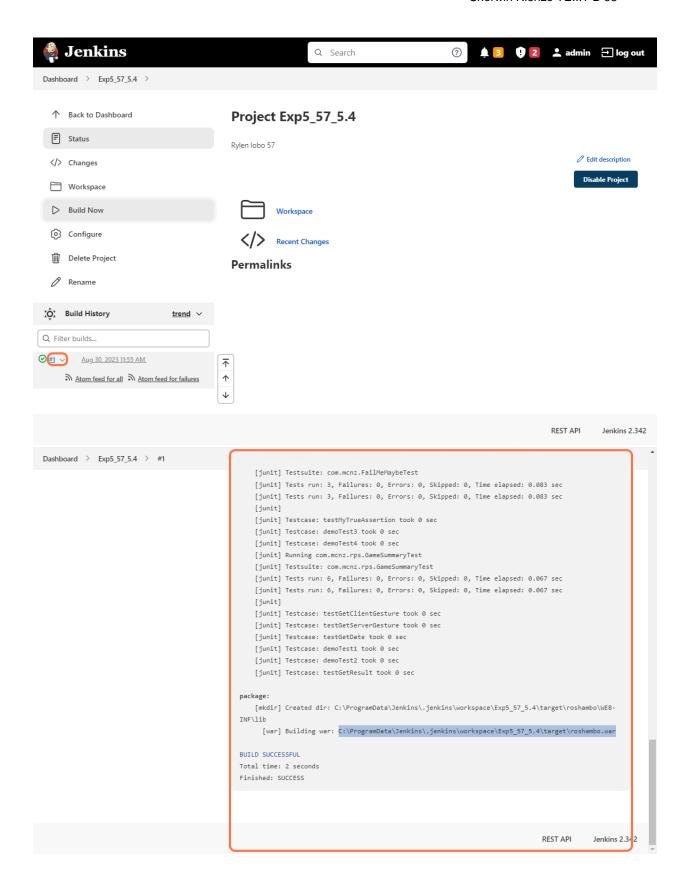
```
Dashboard > Exp5_57_5.3 > #1
                                                                                                              [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/plexus/plexus-sec-
                                                                                                             dispatcher/1.3/plexus-sec-dispatcher-1.3.jar (29 kB at 283 kB/s)
                                                                                                             [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/sonatype/plexus/plexus-
                                                                                                             cipher/1.4/plexus-cipher-1.4.jar (13 kB at 134 kB/s)
                                                                                                             [INFO] \ \ Downloaded \ \ from \ \ central: \ https://repo.maven.apache.org/maven2/org/sonatype/sisu/sisu-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy-policy
                                                                                                             guice/2.1.7/sisu-guice-2.1.7-noaop.jar (472 kB at 4.0 MB/s)
                                                                                                             [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/github/luben/zstd-jni/1.5.5-
                                                                                                             2/zstd-jni-1.5.5-2.jar (5.9 MB at 25 MB/s)
                                                                                                             [INFO] Packaging webapp
                                                                                                             [INFO] Assembling webapp [HelloWorld] in
                                                                                                             [C:\ProgramData\Jenkins\.jenkins\workspace\Exp5_57_5.3\target\HelloWorld]
                                                                                                             [INFO] Processing war project
                                                                                                             [INFO] \ Copying \ we bapp \ resources \ [C:\ProgramData\Jenkins\.jenkins\workspace\Exp5\_57\_5.3\src\main\webapp]
                                                                                                             [INFO] Building war: C:\ProgramData\Jenkins\.jenkins\workspace\Exp5_57_5.3\target\HelloWorld.war
                                                                                                             [INFO] -----
                                                                                                             [INFO] BUILD SUCCESS
                                                                                                             [INFO] -----
                                                                                                             [INFO] Total time: 5.656 s
                                                                                                             [INFO] Finished at: 2023-08-30T11:45:02+05:30
                                                                                                             [INFO] -----
                                                                                                              Waiting for Jenkins to finish collecting data
                                                                                                             [JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Exp5_57_5.3\pom.xml to
                                                                                                             hello/HelloWorld/1.0-SNAPSHOT/HelloWorld-1.0-SNAPSHOT.pom
                                                                                                             [JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\Exp5_57_5.3\target\HelloWorld.war to
                                                                                                             hello/HelloWorld/1.0-SNAPSHOT/HelloWorld-1.0-SNAPSHOT.war
                                                                                                             channel stopped
                                                                                                             Finished: SUCCESS
                                                                                                                                                                                                                                                                                            REST API
                                                                                                                                                                                                                                                                                                                       Jenkins 2.342
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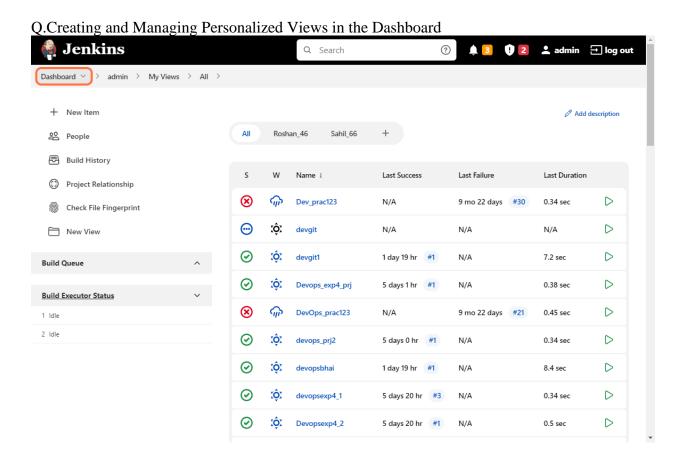
4. Ant freestyle project - Fork repository and Build goals, verify creation of jar/war

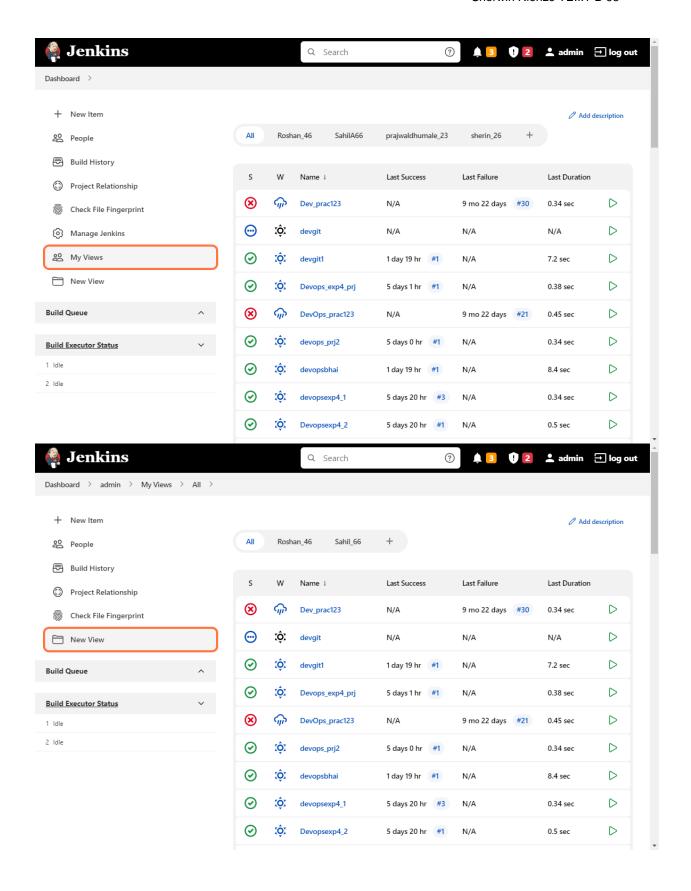












Jenkins 2.342

