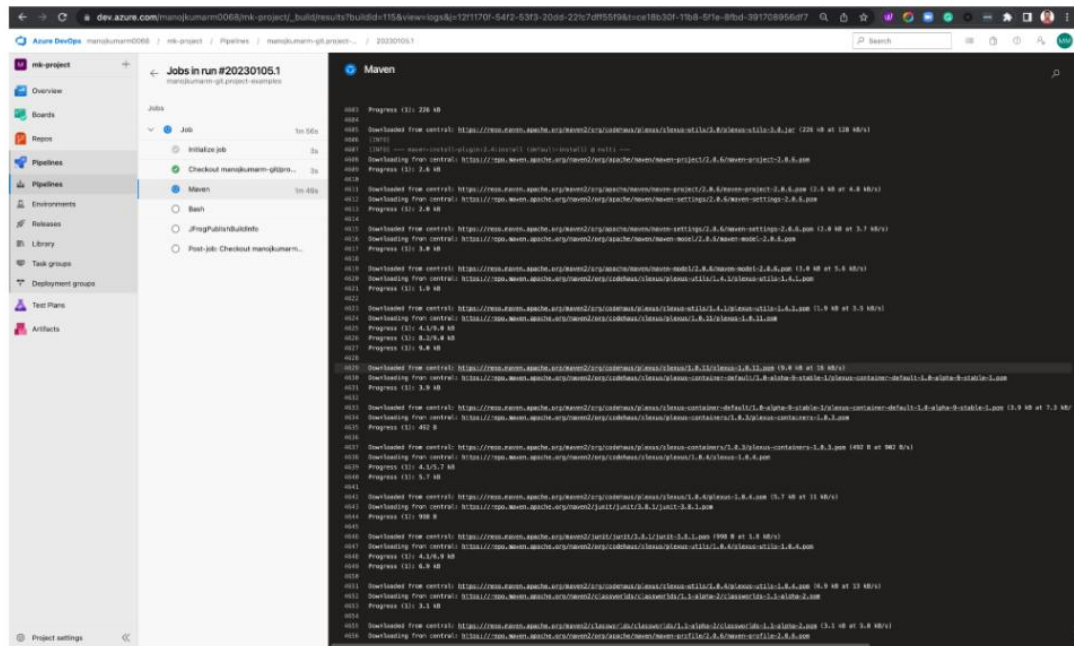OUTPUT

EX NO:1 Create Maven Build Pipeline in Azure

EXP 2: Run Regression Tests using Maven Build Pipeline in Azure

EXP 3: Install Jenkins in Cloud

EXP 4: Create a CI Pipeline Using Jenkins

EXP 5: CI/CD Pipeline with Jenkins and Cloud Deployment

EXP 6: Ansible Playbook for Simple Web Application Infrastructure

```
ubuntu@ip-172-31-4-36:~/playbooks$ ansible-playbook nginx_install.yml

PLAY [Install Nginx and Deploy Website] ****************************************************

TASK [Gathering Facts] ********************************************************************
ok: [server_3]
ok: [server_2]
ok: [server_1]

TASK [Update apt package cache] *********************************************************
changed: [server_3]
changed: [server_2]
changed: [server_1]

TASK [Install Nginx] ********************************************************************
ok: [server_1]
ok: [server_2]
ok: [server_3]

TASK [Start Nginx] ********************************************************************
ok: [server_2]
ok: [server_1]
ok: [server_3]

TASK [Deploy website] ******************************************************************
changed: [server_3]
changed: [server_2]
changed: [server_1]

PLAY RECAP ****************************************************************************
server_1                  : ok=5    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_2                  : ok=5    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
server_3                  : ok=5    changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

Not secure | 3.111.41.48

By Vishal

Task of the Day

Pages (HTML)

Style Sheets (CSS)

Computer Code (JavaScript)

Live Data (Files and Databases)

Not secure | 65.0.122.202

By Vishal

Task of the Day

Pages (HTML)

Style Sheets (CSS)

Computer Code (JavaScript)

Live Data (Files and Databases)

EXP 7: Build a Simple Application using Gradle

```
C:\Users\HiMaNshU\Java_application>gradlew run

> Task :run
Hello world.

BUILD SUCCESSFUL in 3s
2 actionable tasks: 1 executed, 1 up-to-date
C:\Users\HiMaNshU\Java_application>
```

EXP 8: Ansible Installation, Roles, and Playbooks

```
didier@lab:~/ansible$ ansible-playbook -i inventory.yaml dynamic_motd_playbook.yml

PLAY [Configure Dynamic motd] **************************************************************************************************************

TASK [Gathering Facts] ********************************************************************************************************************
ok: [server1]

TASK [dynamic_motd : Copy dynamic motd template] ******************************************************************************************
changed: [server1]

PLAY RECAP ********************************************************************************************************************************
server1                    : ok=2    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

```
didier@lab:~$ ssh didier@server1
Linux blackhawk 6.1.0-11-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.38-4 (2023-08-08) x86_64
Welcome to blackhawk!

System information:
OS: Debian 12
Hostname: blackhawk
IP Address: 192.168.100.57

Last login: Tue Oct  3 00:15:19 2023 from 192.168.100.28
```