# Deploying ELK Stack on Docker Container Algorithm :

1.Install Docker on your system and configure it.

2. Create elk folder.

3. In that elk folder, create folder logstash.

4. In logstash folder, write logstash.conf file.

5. In the elk folder, write docker-compose.yml file.

6. In the root, create temp folder.

7. In that folder, write inlog.log file.

8. Then, run docker-compose up command. This command pulls the images from Docker Registry.

9. Runs the Elastic Search, Logstash, Kibana.

10. Verify that the Images and Container is running in Docker Desktop.

11. To verify that ELK Stack is Up and Running,

● Use http://localhost:8801/ - which serves the Kibana Web Interface

● Use http://localhost:9800/ - For Elastic Search JSON Interface

● Use http://localhost:7056/ - For Logstash Beat Interface

12. Access the Kibana Web Interface using http://localhost:8801/

13. Explore it.

14. Check like Stack Management, Index Management, Dev Tools and Status of Log File.

15. To run the ELK container with Docker Compose, use: docker-compose up elk.

16. Successfully Installed and Run (Deploy) the ELK Stack on Docker Container