**Source code of Automate a Web Application:-**

**dockerconfig.yaml**

version: '3.6'

  services:

    Elasticsearch:

      image: elasticsearch:7.16.2

      container\_name: elasticsearch

      restart: always

    volumes:

      - elastic\_data:/usr/share/elasticsearch/data/

    environment:

      ES\_JAVA\_OPTS: "-Xmx256m -Xms256m"

      discovery.type: single-node

      ports:

      - '9200:9200'

      - '9300:9300'

      networks:

      - elk

    Logstash:

      image: logstash:7.16.2

      container\_name: logstash

      restart: always

      volumes:

      - ./logstash/:/logstash\_dir

      command: logstash -f /logstash\_dir/logstash.conf

      depends\_on:

      - Elasticsearch

      ports:

      - '9600:9600'

      environment:

        LS\_JAVA\_OPTS: "-Xmx256m -Xms256m"

      networks:

        - elk

    Kibana:

      image: kibana:7.16.2

      container\_name: kibana

      restart: always

      ports:

        - '5601:5601'

      environment:

        - ELASTICSEARCH\_URL=http://elasticsearch:9200

      depends\_on:

        - Elasticsearch

      networks:

        - elk

      volumes:

        elastic\_data: {}

      networks:

        elk:

**logs.conf**

input {

file {

path => “/root/temp/inlog.log”

}

}

Output {

elasticsearch {

hosts => [http://elasticsearch:9200]

}

}