```
========
ELK Stack
=========
=> ELK is the combination of 3 open source products
1) Elastic Search : It is used to store and process logs
2) Logstash : It is used to collect application logs and store in Elastic Search
3) Kibana : It will provide user interface to monitor application logs
=> By using the above 3 products we can implement Log Aggregation and Logs Monitoring
-=======
ELK Setup
========
1) Download ELK Softwares
                => Elastic Search : https://www.elastic.co/downloads/elasticsearch
                => Kibana : https://www.elastic.co/downloads/kibana
                => Logstash : https://www.elastic.co/downloads/logstash
2) Extract all zip files
3) Run elasticsearch using elasticsearch.bat file (make sure all security settings disable in
elasticsearch.yml before running)
                $ elasticsearch.bat
4) Check Elastic Search Running or not (URL : http://localhost:9200/)
5) Run kibana using kibana.bat file (before running kibana, enable elasticsearch url in kibana.yml
file)
                $ kibana.bat
6) Check Kibana running or not ( URL : http://localhost:5601/app/home )
7) Run Spring Boot Application and generate log file with log messages
8) create logstash.conf file like below
# Sample Logstash configuration for creating a simple
# Beats -> Logstash -> Elasticsearch pipeline.
input {
 file {
        path => "C:/Users/ashok/classes/22-JRTP/workspace/SpringBoot REST API/app.log"
        start position => "beginning"
}
output {
 elasticsearch {
    hosts => ["http://localhost:9200"]
 }
}
```

 Run logstash server using below command https://ashokitech.com/uploads/notes/1322449818_1683559445.txt

- \$ logstash -f logstash-sample.conf
- 10) Check logstash server is running or not (http://localhost:9600)
- 11) Check application logs in Kibana dashboard