```
package
producer;


            //Diifferent imports
            import org.apache.kafka.clients.producer.KafkaProducer;
            import org.apache.kafka.clients.producer.ProducerRecord;
            import java.io.BufferedReader;
            import java.io.FileReader;
            import java.io.IOException;
            import java.util.Properties;


            //Declaring a public class MyKafka_producer_ackAck
            public class MyKafka_producer_ack {


            //Main function. The start of execution of the program
            public static void main(String[] args) throws IOException{


            //Initialization object of properties class.
            Properties props = new Properties();


            //setting the properties parameters
            props.put("bootstrap.servers", "localhost:9092");
            //Setting up an acknowledgement value.
            props.put("acks","all");
            //Setting the number of retries to 3
            props.put("retries",3);
            props.put("key.serializer",
            "org.apache.kafka.common.serialization.StringSerializer");
            props.put("value.serializer",
            "org.apache.kafka.common.serialization.StringSerializer");


            //setting producer properties
            KafkaProducer<String, String> producer = new KafkaProducer<>(props);


            //Setting producerRecord String type to NULL
            ProducerRecord<String, String> producerRecord = null;


            //setting file path placed on local
```

```
String fileName =
"/home/acadgild/Desktop/TestHadoop/kafka/dataset_producer.txt";


//Setting delimeter value to hyphen as the fields are separated using this
delimiter
String delimiter = "-";


//Initialization of BufferReader object with arguments as FileReader object
try(BufferedReader br = new BufferedReader(new FileReader(fileName))) {


//Reading each non-null line from the input file.
for(String line; (line = br.readLine()) != null; ) {

//Splitting value of each line based upon a delimiter & storing into Array
String[] tempArray = line.split(delimiter);


//Fetching topic at 0th index
String topic = tempArray[0];
//Fetching topic at 1st index
String key = tempArray[1];
//Fetching topic at 2nd index
String value = tempArray[2];


//Initializing mew ProducerRecord with the topic, key value fetched from
above
//the key and value are sent to the repsective Kafka broker in a fire and
forget mode.
producerRecord = new ProducerRecord<String, String>(topic, key, value);


//After record is sent printing appropriate message on screen.
producer.send(producerRecord);


//Printing the value at the output console.
System.out.printf("Acknowledgement received for topic:%s. Key:%s,
Value:%s\n", topic, key, value);
}
}
//Terminating the producer connection.
producer.close();
```

```
}
}
```