Using Java to build or Form In-Clause in SOQL queries

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Use Case

As a developer I want to transform incoming arraylist in the format shown in example 1 to the format shown in example 2 by which the transformed list can be directly used for SOQL In- Clause.

Example:

1) [“item1”, “item2”, “item3”]
2) (‘item1’, ‘item2’, ‘item3’)

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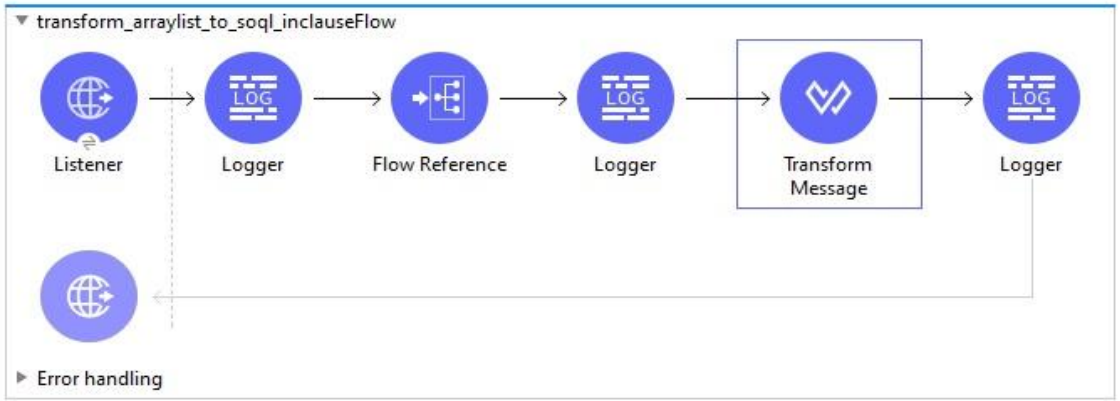
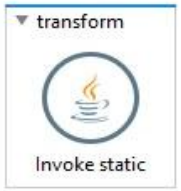
Complete Mule flow





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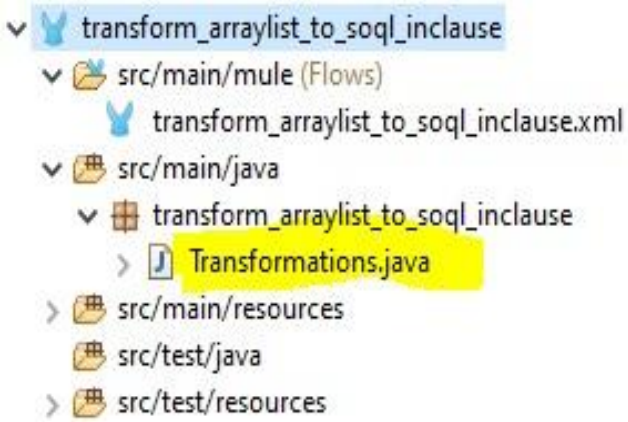
Create a Java Class under src/main/java




```java
package transform_arraylist_to_soql_inclause;

import java.util.List;

public final class Transformations {

    public static String codeList(List<String> codesList) {

        String flowvar = "";

        if (codesList != null && codesList.size() > 0) {
            for (String codeL : codesList) {
                if (flowvar == "")
                    flowvar = "'" + codeL + "'";
                else
                    flowvar = flowvar + ",'" + codeL + "'";
            }
            return "(" + flowvar + ")";
        } else
            return "('')";

    }
}
```

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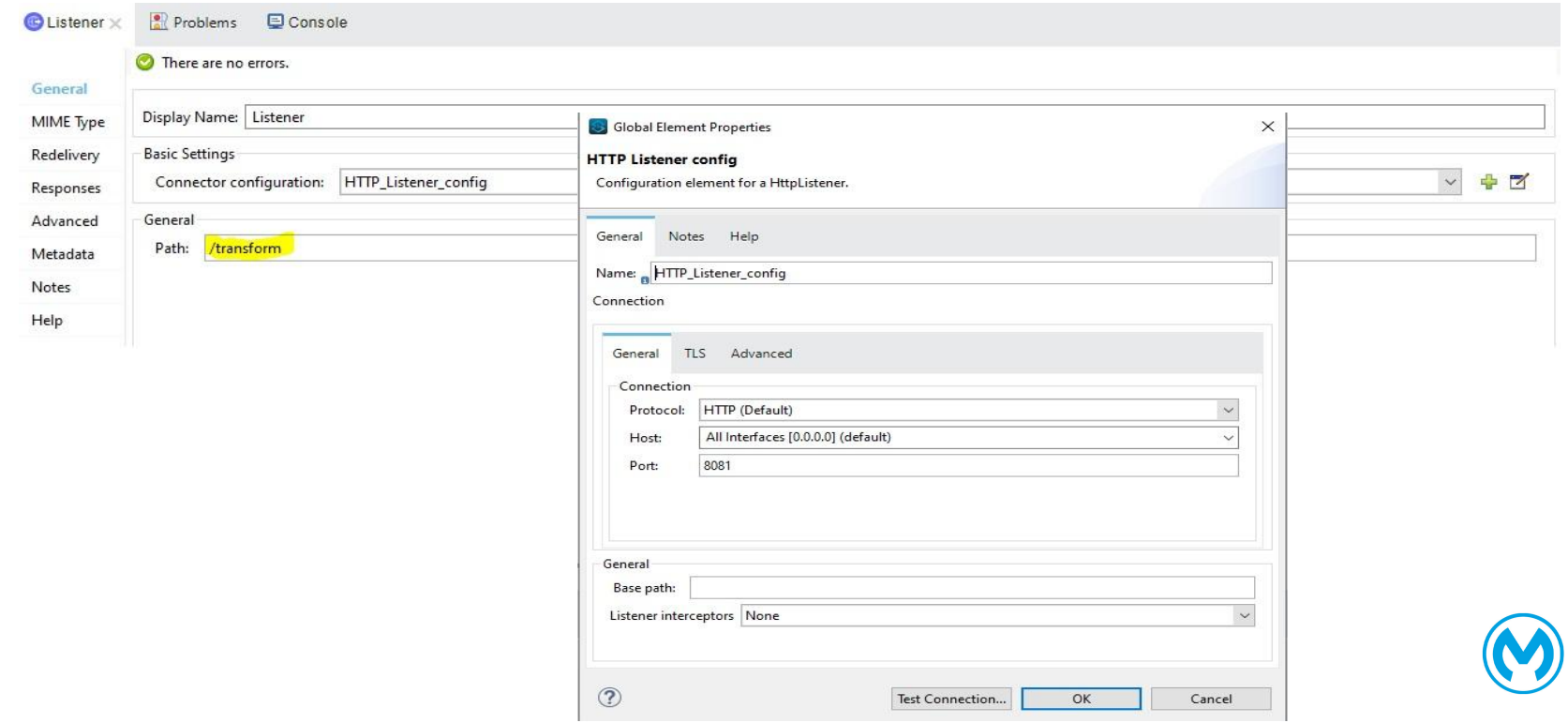
Configure Listener with Default settings and with endpoint /transform



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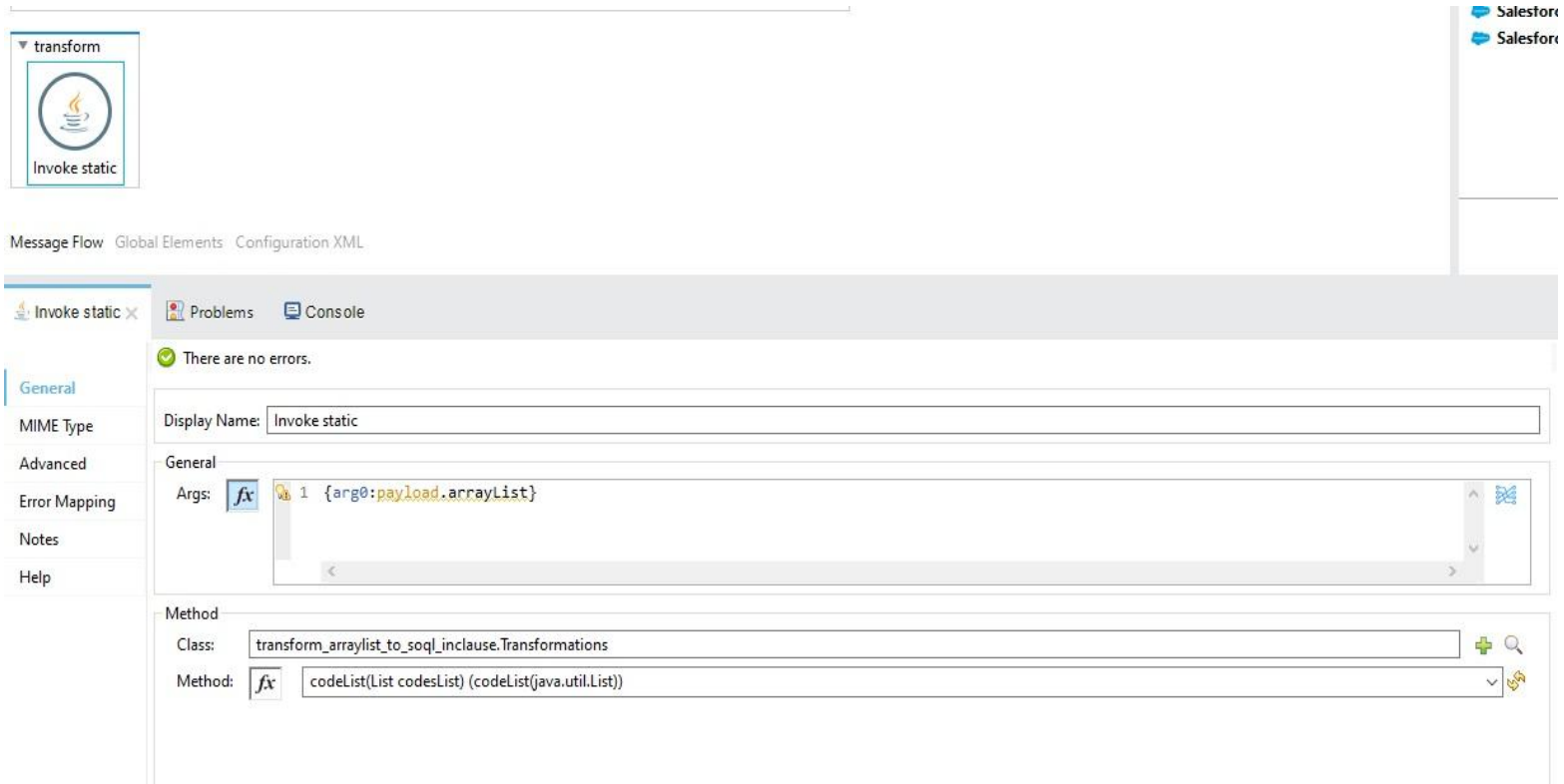
Configure Invoke Static as below



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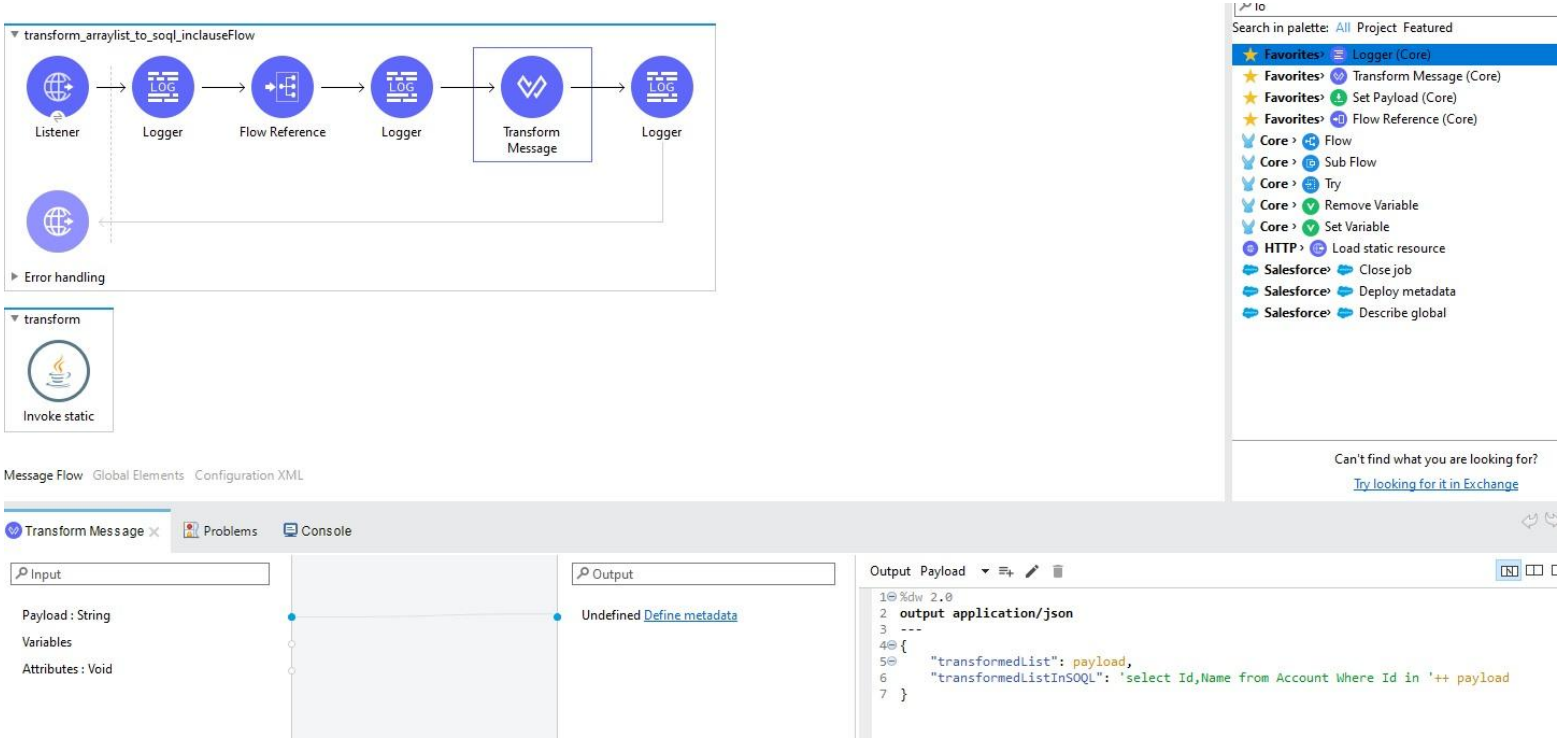
Configure Transform Message component with required response JSON



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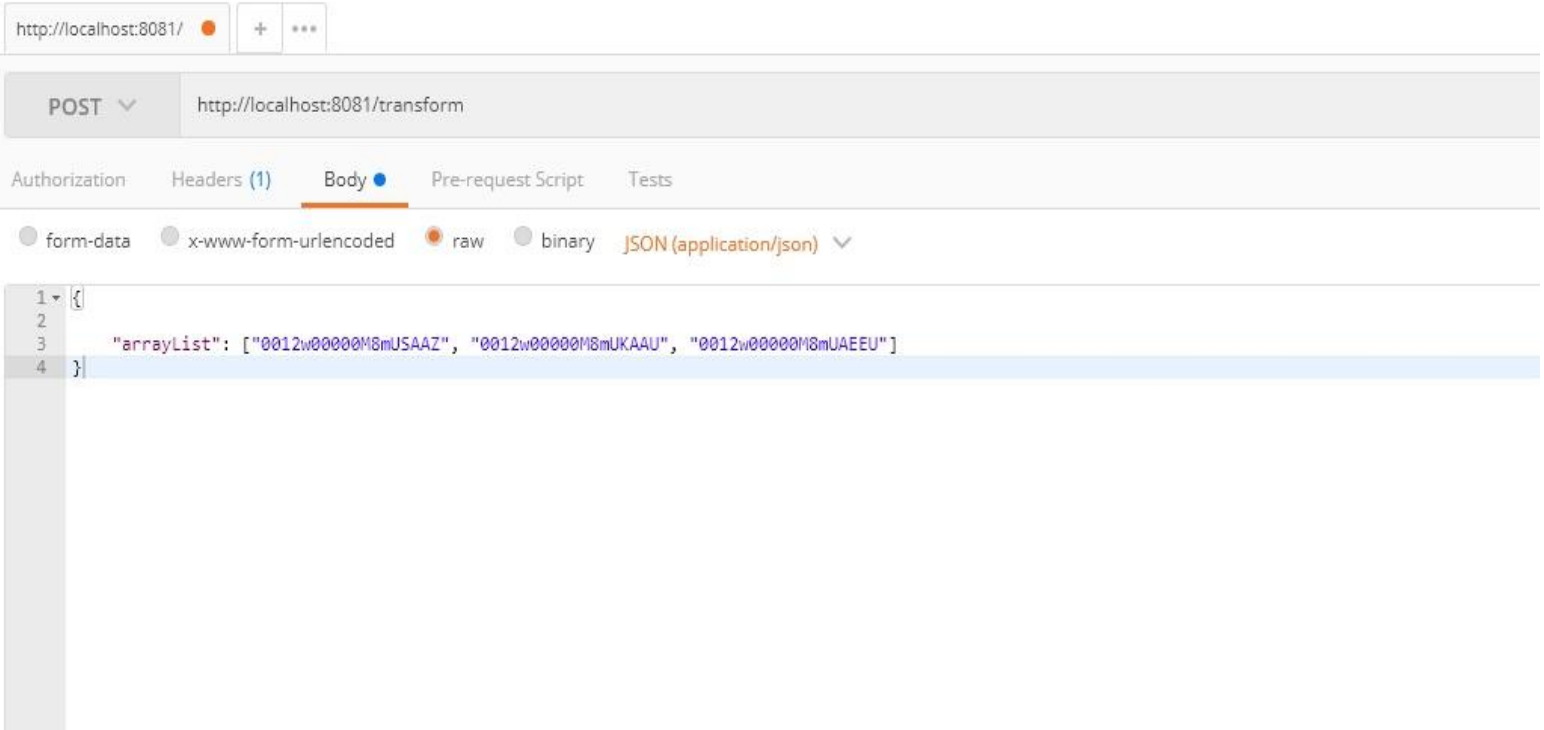
Deploy the App and invoke the API using Postman



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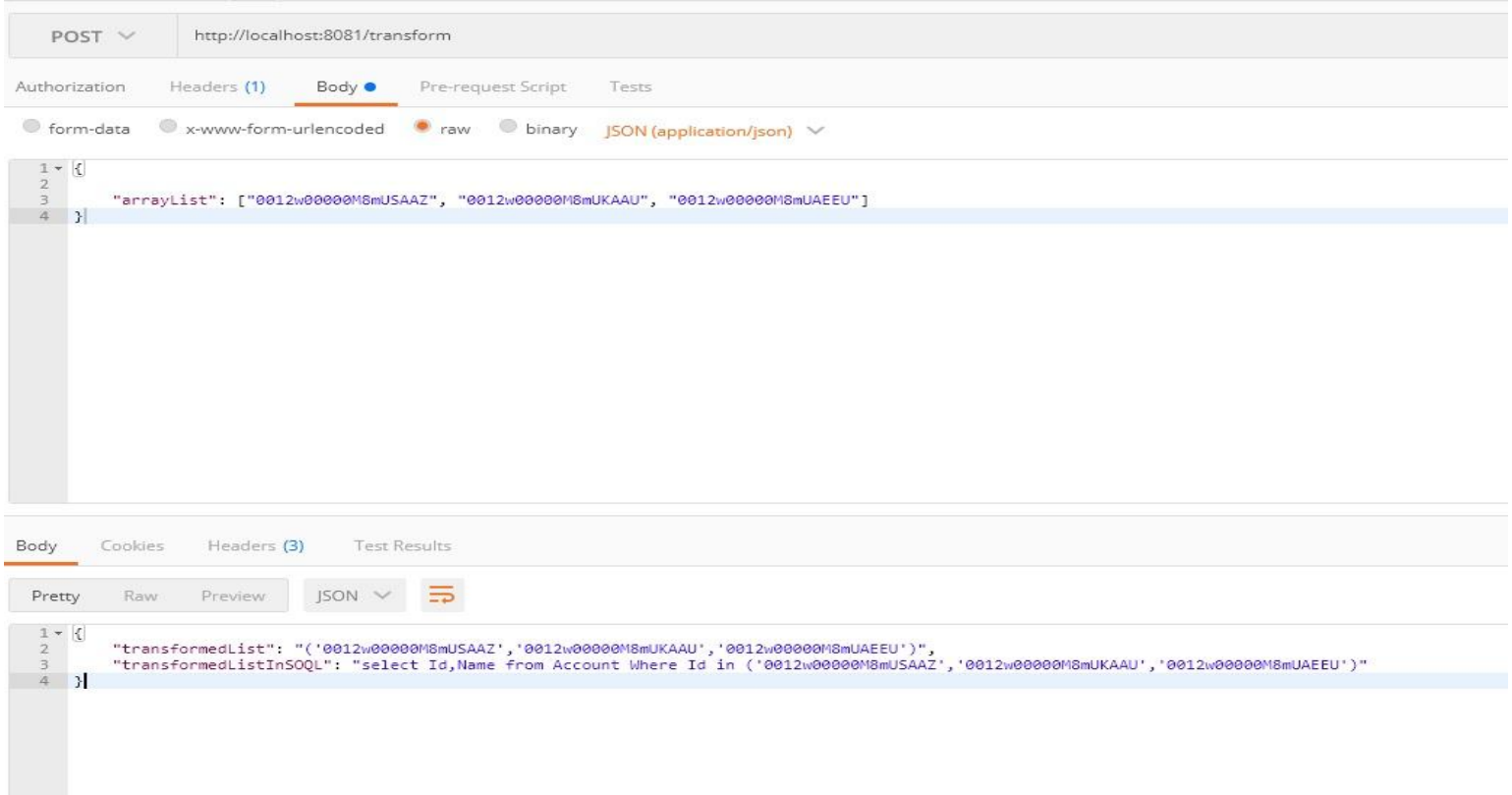
API Response



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