{

"ZIP": "12347",

"CITY": "Alanta",

"PHONE": "555-555-0175",

"DISCOUNT\_CODE": "L",

"NAME": "Small Bill Company",

"CREDIT\_LIMIT": 90000,

"ADDRESSLINE2": "P.O. Box 456",

"ADDRESSLINE1": "8585 South Upper Murray Drive",

"STATE": "GA",

"CUSTOMER\_ID": 3,

"FAX": "555-555-0176",

"EMAIL": "www.smallbill.example.com"

}

INSERT INTO APP.CUSTOMER (CUSTOMER\_ID, DISCOUNT\_CODE, ZIP, "NAME", ADDRESSLINE1, ADDRESSLINE2, CITY, "STATE", PHONE, FAX, EMAIL, CREDIT\_LIMIT)

VALUES (888, 'M', '95117', 'James', '8585 South Upper Murray Drive', 'P.O. Box 456', 'Alanta', 'FL', '555-555-0175', '555-555-0176', 'www.smallbill.example.com', NULL)

<flow name="dbSelectFlow" doc:id="c1560de2-3f36-422a-8aa3-4409fcec31be" >

<scheduler doc:name="Scheduler" doc:id="1b146f79-443c-4e57-8f14-8b7a7f8bdaad" >

<scheduling-strategy >

<fixed-frequency frequency="10" timeUnit="SECONDS"/>

</scheduling-strategy>

</scheduler>

<db:select doc:name="Select" doc:id="97450944-764b-436d-9fc6-b97595b7588b" config-ref="Database\_Config">

<db:sql ><![CDATA[SELECT \* FROM APP.CUSTOMER FETCH FIRST 1000 ROWS ONLY]]></db:sql>

</db:select>

<ee:transform doc:name="Transform Message" doc:id="1f286513-6beb-4f47-a585-82326e6e8a7a" >

<ee:message >

<ee:set-payload ><![CDATA[%dw 2.0

output application/json

---

payload

]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="da59f6c1-2049-4145-9b62-a5346c7c8c99" message="#[payload]"/>

</flow>

<flow name="dbInsertFlow" doc:id="ad08e9ce-43d8-4e04-8044-a4d3fd6bc4bb" >

<scheduler doc:name="Scheduler" doc:id="dbaa7d9d-0842-4ba9-b740-3442e02b1c77" >

<scheduling-strategy >

<fixed-frequency frequency="10" timeUnit="SECONDS"/>

</scheduling-strategy>

</scheduler>

<db:insert doc:name="Insert" doc:id="0e493643-d5fa-41a5-86c1-3fe4860b73a2" config-ref="Database\_Config1">

<db:sql ><![CDATA[INSERT INTO APP.CUSTOMER (CUSTOMER\_ID, DISCOUNT\_CODE, ZIP, "NAME", ADDRESSLINE1, ADDRESSLINE2, CITY, "STATE", PHONE, FAX, EMAIL, CREDIT\_LIMIT)

VALUES (88888, 'M', '95117', 'James', '8585 South Upper Murray Drive', 'P.O. Box 456', 'Alanta', 'FL', '555-555-0175', '555-555-0176', 'www.smallbill.example.com', NULL)

]]></db:sql>

</db:insert>

<ee:transform doc:name="Transform Message" doc:id="c1c7169d-3061-43ba-8f79-e4e86be4442c" >

<ee:message >

<ee:set-payload ><![CDATA[%dw 2.0

output application/json

---

payload]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="c4610d35-9c97-4a82-b36b-04fd8e596d1c" message="#[payload]"/>

</flow>

<?xml version="1.0" encoding="UTF-8"?>

<mule xmlns:db="http://www.mulesoft.org/schema/mule/db"

xmlns:ee="http://www.mulesoft.org/schema/mule/ee/core"

xmlns="http://www.mulesoft.org/schema/mule/core" xmlns:doc="http://www.mulesoft.org/schema/mule/documentation"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="

http://www.mulesoft.org/schema/mule/db http://www.mulesoft.org/schema/mule/db/current/mule-db.xsd

http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd http://www.mulesoft.org/schema/mule/core http://www.mulesoft.org/schema/mule/core/current/mule.xsd">

<db:config name="Database\_Config" doc:name="Database Config" doc:id="00db54d8-7451-4ca1-8154-1f346fb7b986" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<flow name="dbUpdateFlow" doc:id="092b183a-8141-4801-be50-6536c0a4422f" >

<scheduler doc:name="Scheduler" doc:id="c51dc806-8761-4eb1-a6c7-5f69067d04f3" >

<scheduling-strategy >

<fixed-frequency frequency="10" timeUnit="SECONDS"/>

</scheduling-strategy>

</scheduler>

<db:update doc:name="Update" doc:id="21d35054-9d24-4b52-9b05-27ed6cf66458" config-ref="Database\_Config">

<db:sql ><![CDATA[UPDATE CUSTOMER

SET DISCOUNT\_CODE = 'L'

WHERE CUSTOMER\_ID = 88888]]></db:sql>

</db:update>

<ee:transform doc:name="Transform Message" doc:id="6355b9c1-7d2f-432c-8a26-55043bd6b233" >

<ee:message >

<ee:set-payload ><![CDATA[%dw 2.0

output application/json

---

payload]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="9c34be09-ed66-473f-bc5e-44e522deb36b" message="#[payload]"/>

</flow>

</mule>

<db:config name="Database\_Config" doc:name="Database Config" doc:id="edc91018-e13d-4a76-9fb3-0dd0d4d2e947" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<http:listener-config name="HTTP\_Listener\_config" doc:name="HTTP Listener config" doc:id="d1099cd3-6471-4040-86f5-a4db15db694d" >

<http:listener-connection host="0.0.0.0" port="8081" />

</http:listener-config>

<flow name="dbFlow" doc:id="52f7d0bb-0762-4aae-b256-e92109772277" >

<http:listener doc:name="Listener" doc:id="e3ddbdce-f815-40be-a08c-7979541b21a8" config-ref="HTTP\_Listener\_config" path="db"/>

<db:select doc:name="Select" doc:id="184b3227-3b3d-4055-98fe-767a7e290d25" config-ref="Database\_Config">

<db:sql ><![CDATA[SELECT \* FROM APP.CUSTOMER FETCH FIRST 1000 ROWS ONLY]]></db:sql>

</db:select>

<foreach doc:name="For Each" doc:id="6a22e780-9a81-41ad-a871-cb7526152c33" collection="#[payload]">

<ee:transform doc:name="Transform Message" doc:id="5d8aa53b-01e8-469f-a0b5-1cb3548a92cd">

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

firstName: payload.DISCOUNT\_CODE,

lastName: payload.ZIP,

age: payload.CREDIT\_LIMIT,

}]]>

</ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="057a08b2-5a75-4788-aca1-e228fb516394" message="#[payload]" />

</foreach>

<?xml version="1.0" encoding="UTF-8"?>

<mule xmlns:ee="http://www.mulesoft.org/schema/mule/ee/core"

xmlns:db="http://www.mulesoft.org/schema/mule/db"

xmlns:http="http://www.mulesoft.org/schema/mule/http" xmlns="http://www.mulesoft.org/schema/mule/core"

xmlns:doc="http://www.mulesoft.org/schema/mule/documentation"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="

http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd

http://www.mulesoft.org/schema/mule/db http://www.mulesoft.org/schema/mule/db/current/mule-db.xsd http://www.mulesoft.org/schema/mule/core http://www.mulesoft.org/schema/mule/core/current/mule.xsd

http://www.mulesoft.org/schema/mule/http http://www.mulesoft.org/schema/mule/http/current/mule-http.xsd">

<db:config name="Database\_Config" doc:name="Database Config" doc:id="dd485db5-7ddb-4629-ac89-8912ca56448c" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<http:listener-config name="HTTP\_Listener\_config" doc:name="HTTP Listener config" doc:id="78491787-1c26-4d05-9ccc-b60fbdcac630" >

<http:listener-connection host="0.0.0.0" port="8081" />

</http:listener-config>

<flow name="dbcacheFlow" doc:id="f925934b-87d9-40bc-b3f3-06c2550e33e3" >

<http:listener doc:name="Listener" doc:id="8d9f3c90-8178-4196-acae-a628c4f7c412" config-ref="HTTP\_Listener\_config" path="db"/>

<set-variable value="#[attributes.queryParams.id]" doc:name="Set Variable" doc:id="875d752e-a76d-4833-a0b1-88e4bdb4f418" variableName="id"/>

<logger level="INFO" doc:name="Logger" doc:id="29d081dd-7ab0-47eb-a665-fd37aaee984c" message="#[attributes.queryParams.id]" />

<db:select doc:name="Select" doc:id="31b95ddb-53e3-4c3d-9642-7ef863c56b19" config-ref="Database\_Config">

<db:sql ><![CDATA[SELECT \* FROM APP.CUSTOMER where customer\_id= :name]]></db:sql>

<db:input-parameters>

#[{'name' : payload.name}]

</db:input-parameters>

</db:select>

<ee:transform doc:name="Transform Message" doc:id="0d0829b3-a872-4195-847b-698f25884268">

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

firstName: payload.DISCOUNT\_CODE,

lastName: payload.ZIP,

age: payload.CREDIT\_LIMIT,

}]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="e0c2e7b5-9bb9-47d7-9f4b-6fd5953c0bbd" message="#[payload]" />

</flow>

</mule>

<?xml version="1.0" encoding="UTF-8"?>

<mule xmlns:ee="http://www.mulesoft.org/schema/mule/ee/core"

xmlns:db="http://www.mulesoft.org/schema/mule/db"

xmlns:http="http://www.mulesoft.org/schema/mule/http" xmlns="http://www.mulesoft.org/schema/mule/core"

xmlns:doc="http://www.mulesoft.org/schema/mule/documentation"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="

http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd

http://www.mulesoft.org/schema/mule/db http://www.mulesoft.org/schema/mule/db/current/mule-db.xsd http://www.mulesoft.org/schema/mule/core http://www.mulesoft.org/schema/mule/core/current/mule.xsd

http://www.mulesoft.org/schema/mule/http http://www.mulesoft.org/schema/mule/http/current/mule-http.xsd">

<db:config name="Database\_Config" doc:name="Database Config" doc:id="a94101a7-0f9f-42e4-9d7b-fb9fd88cc307" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<http:listener-config name="HTTP\_Listener\_config" doc:name="HTTP Listener config" doc:id="cbb46a5f-0579-42d0-b93a-dfb20f9305a4" >

<http:listener-connection host="0.0.0.0" port="8081" />

</http:listener-config>

<ee:object-store-caching-strategy name="Caching\_Strategy" doc:name="Caching Strategy" doc:id="7092ff23-15b4-4519-adef-1bfcc1ce463f" keyGenerationExpression="#[vars.id]" />

<flow name="dbcacheFlow" doc:id="c4b169b7-ad9a-4540-8189-1d6ee9067b7f" >

<http:listener doc:name="Listener" doc:id="dbd81e4b-d799-4776-b8c7-751fc2e611ec" config-ref="HTTP\_Listener\_config" path="db"/>

<set-variable value="#[attributes.queryParams.id as String]" doc:name="Set Variable" doc:id="b361d8ab-1826-409f-bcd9-2a916df7e88d" variableName="id"/>

<logger level="INFO" doc:name="Logger" doc:id="2829da8c-cc82-4c16-99af-98a1772e0f5d" message="#[attributes.queryParams.id]" />

<ee:cache doc:name="Cache" doc:id="85f7ebfb-bb3b-4ce9-9e31-0da2c5c4c700" >

<logger level="INFO" doc:name="Logger" doc:id="783e13fc-5666-4fc3-85f8-418023b699d9" message="before db"/>

<db:select doc:name="Select" doc:id="ce48789e-61ff-45c2-9658-91ba9968083b" config-ref="Database\_Config">

<db:sql><![CDATA[SELECT \* FROM APP.CUSTOMER where customer\_id= :name]]></db:sql>

<db:input-parameters>

#[{'name' : payload.name}]

</db:input-parameters>

</db:select>

<logger level="INFO" doc:name="Logger" doc:id="5db18405-8b1c-4133-a073-7cff9af78dde" message="after db"/>

</ee:cache>

<ee:transform doc:name="Transform Message" doc:id="84c27903-8b9a-4a42-afbe-06cc314ace31">

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

firstName: payload.DISCOUNT\_CODE,

lastName: payload.ZIP,

age: payload.CREDIT\_LIMIT,

}]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="10ca979e-c833-4600-95e9-cdd9b547fb87" message="#[payload]" />

</flow>

</mule>

<?xml version="1.0" encoding="UTF-8"?>

<mule xmlns:ee="http://www.mulesoft.org/schema/mule/ee/core"

xmlns:db="http://www.mulesoft.org/schema/mule/db"

xmlns:http="http://www.mulesoft.org/schema/mule/http" xmlns="http://www.mulesoft.org/schema/mule/core"

xmlns:doc="http://www.mulesoft.org/schema/mule/documentation"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="

http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd

http://www.mulesoft.org/schema/mule/db http://www.mulesoft.org/schema/mule/db/current/mule-db.xsd http://www.mulesoft.org/schema/mule/core http://www.mulesoft.org/schema/mule/core/current/mule.xsd

http://www.mulesoft.org/schema/mule/http http://www.mulesoft.org/schema/mule/http/current/mule-http.xsd">

<db:config name="Database\_Config" doc:name="Database Config" doc:id="dd485db5-7ddb-4629-ac89-8912ca56448c" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<http:listener-config name="HTTP\_Listener\_config" doc:name="HTTP Listener config" doc:id="78491787-1c26-4d05-9ccc-b60fbdcac630" >

<http:listener-connection host="0.0.0.0" port="8081" />

</http:listener-config>

<flow name="dbcacheFlow" doc:id="f925934b-87d9-40bc-b3f3-06c2550e33e3" >

<http:listener doc:name="Listener" doc:id="8d9f3c90-8178-4196-acae-a628c4f7c412" config-ref="HTTP\_Listener\_config" path="db"/>

<db:select doc:name="Select" doc:id="31b95ddb-53e3-4c3d-9642-7ef863c56b19" config-ref="Database\_Config">

<db:sql ><![CDATA[SELECT \* FROM APP.CUSTOMER where customer\_id= :payload\_ID]]></db:sql>

<db:input-parameters><![CDATA[

#[{'payload\_ID' : payload.id}]

]]></db:input-parameters>

</db:select>

<ee:transform doc:name="Transform Message" doc:id="0d0829b3-a872-4195-847b-698f25884268">

<ee:message>

<ee:set-payload><![CDATA[%dw 2.0

output application/json

---

{

firstName: payload.DISCOUNT\_CODE,

lastName: payload.ZIP,

age: payload.CREDIT\_LIMIT,

}]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="e0c2e7b5-9bb9-47d7-9f4b-6fd5953c0bbd" message="#[payload]" />

</flow>

</mule>

<?xml version="1.0" encoding="UTF-8"?>

<mule xmlns:db="http://www.mulesoft.org/schema/mule/db"

xmlns:ee="http://www.mulesoft.org/schema/mule/ee/core"

xmlns="http://www.mulesoft.org/schema/mule/core" xmlns:doc="http://www.mulesoft.org/schema/mule/documentation"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="

http://www.mulesoft.org/schema/mule/db http://www.mulesoft.org/schema/mule/db/current/mule-db.xsd

http://www.mulesoft.org/schema/mule/ee/core http://www.mulesoft.org/schema/mule/ee/core/current/mule-ee.xsd http://www.mulesoft.org/schema/mule/core http://www.mulesoft.org/schema/mule/core/current/mule.xsd">

<db:config name="Database\_Config" doc:name="Database Config" doc:id="00db54d8-7451-4ca1-8154-1f346fb7b986" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<flow name="dbUpdateFlow" doc:id="092b183a-8141-4801-be50-6536c0a4422f" >

<scheduler doc:name="Scheduler" doc:id="c51dc806-8761-4eb1-a6c7-5f69067d04f3" >

<scheduling-strategy >

<fixed-frequency frequency="10" timeUnit="SECONDS"/>

</scheduling-strategy>

</scheduler>

<db:update doc:name="Update" doc:id="21d35054-9d24-4b52-9b05-27ed6cf66458" config-ref="Database\_Config">

<db:sql ><![CDATA[UPDATE CUSTOMER

SET DISCOUNT\_CODE = 'L'

WHERE CUSTOMER\_ID = 88888]]></db:sql>

</db:update>

<ee:transform doc:name="Transform Message" doc:id="6355b9c1-7d2f-432c-8a26-55043bd6b233" >

<ee:message >

<ee:set-payload ><![CDATA[%dw 2.0

output application/json

---

payload]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="9c34be09-ed66-473f-bc5e-44e522deb36b" message="#[payload]"/>

</flow>

</mule>

<db:delete doc:name="Delete" doc:id="352e74df-7a6f-4d57-a873-2029d0139361" config-ref="Database\_Config">

<db:sql ><![CDATA[DELETE FROM APP.CUSTOMER WHERE CUSTOMER\_ID = 88888]]></db:sql>

</db:delete>

Examples of DDL commands:

CREATE is used to create the database or its objects (like table, index, function, views, store procedure and triggers).

DROP is used to delete objects from the database.

ALTER-is used to alter the structure of the database.

TRUNCATEis used to remove all records from a table, including all spaces allocated for the records are removed.

COMMENT is used to add comments to the data dictionary.

RENAME is used to rename an object existing in the database.

CREATE TABLE Employees (

EmployeeID int,

LastName varchar(255),

FirstName varchar(255),

Address varchar(255),

City varchar(255)

);

<db:execute-ddl doc:name="Execute DDL" doc:id="ceb4760c-5752-4390-a7a8-a3347940a59b" config-ref="Database\_Config">

<db:sql ><![CDATA[CREATE TABLE Employees1 (

EmployeeID int,

LastName varchar(255),

FirstName varchar(255),

Address varchar(255),

City varchar(255)

)]]></db:sql>

</db:execute-ddl>

INSERT INTO APP.CUSTOMER (CUSTOMER\_ID, DISCOUNT\_CODE, ZIP, "NAME", ADDRESSLINE1, ADDRESSLINE2, CITY, "STATE", PHONE, FAX, EMAIL, CREDIT\_LIMIT)

VALUES (111, 'M', '95117', 'James', '8585 South Upper Murray Drive', 'P.O. Box 456', 'Alanta', 'FL', '555-555-0175', '555-555-0176', 'www.smallbill.example.com', NULL);

INSERT INTO APP.CUSTOMER (CUSTOMER\_ID, DISCOUNT\_CODE, ZIP, "NAME", ADDRESSLINE1, ADDRESSLINE2, CITY, "STATE", PHONE, FAX, EMAIL, CREDIT\_LIMIT)

VALUES (222, 'M', '95117', 'James', '8585 South Upper Murray Drive', 'P.O. Box 456', 'Alanta', 'FL', '555-555-0175', '555-555-0176', 'www.smallbill.example.com', NULL);

INSERT INTO APP.CUSTOMER (CUSTOMER\_ID, DISCOUNT\_CODE, ZIP, "NAME", ADDRESSLINE1, ADDRESSLINE2, CITY, "STATE", PHONE, FAX, EMAIL, CREDIT\_LIMIT)

VALUES (333, 'M', '95117', 'James', '8585 South Upper Murray Drive', 'P.O. Box 456', 'Alanta', 'FL', '555-555-0175', '555-555-0176', 'www.smallbill.example.com', NULL);

<db:execute-script doc:name="Execute script" doc:id="56efa9d1-7830-4c47-b1c3-e1758864fc18" config-ref="Database\_Config" file="insertscript.sql"/>

CREATE PROCEDURE testprocedure(IN id INTEGER, IN name VARCHAR(10))

PARAMETER STYLE JAVA READS SQL DATA LANGUAGE JAVA EXTERNAL NAME

'JavaProcedureClass.ProcedureMethod';

<db:stored-procedure doc:name="Stored procedure" doc:id="d63e97b6-9f10-4ed3-8938-0f4562c862df" config-ref="Database\_Config">

<db:sql ><![CDATA[call testprocedure(123,'test')]]></db:sql>

</db:stored-procedure>

<db:bulk-insert config-ref="Database\_Config" >

<db:bulk-input-parameters>

#[[{'id': 1234, 'name': 'Java', 'author': 'James'}, {'id': 5678, 'name': 'MuleSoft', 'author': 'Peter'}]]

</db:bulk-input-parameters>

<db:sql>

insert into books (bookid, bookname, author) values (:id, :name, :author)

</db:sql>

</db:bulk-insert>

<db:sql ><![CDATA[UPDATE books

SET bookid = :id

WHERE author = :author]]></db:sql>

<db:bulk-update doc:name="Bulk update" doc:id="c033e19a-35f2-412f-b2b5-97ee323e1f02" config-ref="Database\_Config">

<db:bulk-input-parameters><![CDATA[

#[[{'id': 8888, 'name': 'Java', 'author': 'James'}, {'id': 5678, 'name': 'MuleSoft', 'author': 'Peter'}]]

]]></db:bulk-input-parameters>

<db:sql ><![CDATA[UPDATE books

SET bookid = :id

WHERE author = :author]]></db:sql>

</db:bulk-update>

<db:bulk-input-parameters><![CDATA[

#[[{{'location': random() \* 7}}]]

]]></db:bulk-input-parameters>

<db:sql ><![CDATA[DELETE from books

WHERE bookid = :id]]></db:sql>

</db:bulk-delete>

INSERT INTO APP.PERSONS ( LASTNAME, FIRSTNAME, ADDRESS, CITY)

VALUES ('test', 'test', 'test', 'test')

INSERT INTO APP.MAP (MAP\_NAME)

VALUES ('mj')

CREATE TABLE MAP

(

MAP\_ID INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 1, INCREMENT BY 1),

MAP\_LOCATION INTEGER,

UNIQUE (MAP\_ID, MAP\_NAME)

)

CREATE TABLE MAP

(

MAP\_ID INTEGER NOT NULL GENERATED ALWAYS AS IDENTITY (START WITH 1, INCREMENT BY 1),

MAP\_LOCATION INTEGER,

UNIQUE (MAP\_ID, MAP\_LOCATION)

);

INSERT INTO APP.MAP (MAP\_LOCATION)

VALUES (12345);

#[[{'location': random() \* 7}, {'location': random() \* 7}]]

INSERT INTO APP.MAP (MAP\_LOCATION)

VALUES (:location)

<db:config name="Database\_Config" doc:name="Database Config" doc:id="00db54d8-7451-4ca1-8154-1f346fb7b986" >

<db:generic-connection url="jdbc:derby://localhost:1527/sample" driverClassName="org.apache.derby.jdbc.ClientDriver" user="app" password="app" />

</db:config>

<flow name="dbBulkInsertFlow" doc:id="092b183a-8141-4801-be50-6536c0a4422f" >

<scheduler doc:name="Scheduler" doc:id="c51dc806-8761-4eb1-a6c7-5f69067d04f3" >

<scheduling-strategy >

<fixed-frequency frequency="5" timeUnit="SECONDS"/>

</scheduling-strategy>

</scheduler>

<db:bulk-insert doc:name="Bulk insert" doc:id="853c0a48-91b4-4488-bb95-2d5225cfeb2d" config-ref="Database\_Config">

<db:bulk-input-parameters><![CDATA[

#[[{'location': random() \* 7}]]

]]></db:bulk-input-parameters>

<db:sql><![CDATA[

INSERT INTO APP.MAP (MAP\_LOCATION)

VALUES (:location)

]]></db:sql>

</db:bulk-insert>

<ee:transform doc:name="Transform Message" doc:id="6355b9c1-7d2f-432c-8a26-55043bd6b233" >

<ee:message >

<ee:set-payload ><![CDATA[%dw 2.0

output application/json

---

payload]]></ee:set-payload>

</ee:message>

</ee:transform>

<logger level="INFO" doc:name="Logger" doc:id="c6d7aae4-dd0d-4287-b806-8bd8414fda62" message="\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*record inserted through bulk insert flow\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"/>

<flow-ref doc:name="Flow Reference" doc:id="3edcda0e-837b-4e0d-af90-610262532e70" name="OnTableRowFlow"/>

</flow>

<flow name="OnTableRowFlow" doc:id="89238ab4-cc8e-467b-9314-1f11c9b738ce" >

<db:listener table="MAP" doc:name="On Table Row" doc:id="90426370-bb49-418b-b416-99565b1e3e3c" config-ref="Database\_Config" watermarkColumn="MAP\_ID">

<scheduling-strategy >

<fixed-frequency frequency="2" timeUnit="SECONDS" />

</scheduling-strategy>

</db:listener>

<logger level="INFO" doc:name="Logger" doc:id="a99b8e26-c57d-43d3-b05a-547371528f72" message="\*\*\*\*\*\*\*\*\*new record insertion identified by OnTableRow Listener\*\*\*\*\*\*\*\*\*\*\*\*"/>

</flow>