

Definition

In this exercise you will:

- Download and install VoltDB.
Create a table;
- Then insert mock records into SUBSCRIBER table
- Create a voltdb procedure for selecting SUBSCRIBER table records.
- Create a java app that selects and prints SUBSCRIBER table records with using voltdb procedure.

Exercise Keywords: partition, procedure, management center.

```
CREATE TABLE SUBSCRIBER(  
    SUBSC_ID INTEGER,  
    SUBSC_NAME VARCHAR(100),  
    SUBSC_SURNAME VARCHAR(100),  
    MSISDN VARCHAR(100),  
    TARIFF_ID INTEGER,  
    START_DATE TIMESTAMP,  
);
```

```
INSERT INTO SUBSCRIBER (SUBSC_ID, SUBSC_NAME, SUBSC_SURNAME, MSISDN, TARIFF_ID,  
START_DATE) VALUES (1, 'John', 'Doe', '1234567890', 101, '2024-07-27 10:00:00');
```

```
INSERT INTO SUBSCRIBER (SUBSC_ID, SUBSC_NAME, SUBSC_SURNAME, MSISDN, TARIFF_ID,  
START_DATE) VALUES (2, 'Jane', 'Smith', '0987654321', 102, '2024-07-27 11:00:00');
```

```
INSERT INTO SUBSCRIBER (SUBSC_ID, SUBSC_NAME, SUBSC_SURNAME, MSISDN, TARIFF_ID,  
START_DATE) VALUES (3, 'Alice', 'Johnson', '5555555555', 103, '2024-07-27 12:00:00');
```

```
INSERT INTO SUBSCRIBER (SUBSC_ID, SUBSC_NAME, SUBSC_SURNAME, MSISDN, TARIFF_ID,  
START_DATE) VALUES (4, 'Bob', 'Brown', '4444444444', 104, '2024-07-27 13:00:00');
```

```
INSERT INTO SUBSCRIBER (SUBSC_ID, SUBSC_NAME, SUBSC_SURNAME, MSISDN, TARIFF_ID,  
START_DATE) VALUES (5, 'Charlie', 'Davis', '3333333333', 105, '2024-07-27 14:00:00');
```

```
CREATE PROCEDURE selectAllSubscribers AS SELECT * FROM SUBSCRIBER;
```

```
/Users/cetin/Library/Java/JavaVirtualMachines/corretto-21.0.4/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA  
Attempting to connect to VoltDB nodes...  
Connected to VoltDB node.  
Attempting to call the stored procedure...  
SUBSC_ID: 1, SUBSC_NAME: John, SUBSC_SURNAME: Doe, MSISDN: 1234567890, TARIFF_ID: 101, START_DATE: 1722074400000000  
SUBSC_ID: 2, SUBSC_NAME: Jane, SUBSC_SURNAME: Smith, MSISDN: 0987654321, TARIFF_ID: 102, START_DATE: 1722078000000000  
SUBSC_ID: 3, SUBSC_NAME: Alice, SUBSC_SURNAME: Johnson, MSISDN: 5555555555, TARIFF_ID: 103, START_DATE: 1722081600000000  
SUBSC_ID: 4, SUBSC_NAME: Bob, SUBSC_SURNAME: Brown, MSISDN: 4444444444, TARIFF_ID: 104, START_DATE: 1722085200000000  
SUBSC_ID: 5, SUBSC_NAME: Charlie, SUBSC_SURNAME: Davis, MSISDN: 3333333333, TARIFF_ID: 105, START_DATE: 1722088800000000  
Closing client connection...  
Client connection closed.  
Program completed.  
  
Process finished with exit code 0
```