

```
1 BEGIN
2     DECLARE DateStart DATETIME;
3     DECLARE DateEnd DATETIME;
4     DECLARE DateBegin DATETIME;
5     DECLARE timeOffset INT;
6
7
8     SET DateBegin = NOW() - INTERVAL timeRange MINUTE;
9
10    CREATE TEMPORARY TABLE timeStamps (
11        Name varchar(50) NOT NULL,
12        Date DATETIME NOT NULL,
13        Amount int NOT NULL
14    );
15
16    /*
17    INSERT INTO timeStamps
18        Select Name, DATE_FORMAT(D.MeasureDateStart,'%Y-%m-%d %H:%i:00') AS      ↗
19        "Date", 1 AS "Amount" FROM Data D WHERE D.AccountID = UserID AND      ↗
20        D.MeasureDateStart BETWEEN DateStart AND DateEnd;
21
22    INSERT INTO timeStamps
23        Select Name, DATE_FORMAT(D.MeasureDateEnd,'%Y-%m-%d %H:%i:30') AS      ↗
24        "Date", -1 AS "Amount" FROM Data D WHERE D.AccountID = UserID AND      ↗
25        D.MeasureDateEnd IS NOT NULL AND D.MeasureDateEnd BETWEEN DateStart      ↗
26        AND DateEnd;
27    */
28
29    SET timeOffset = 0;
30
31    WHILE timeOffset <= timeRange DO
32        SET DateStart = DateBegin + INTERVAL timeOffset MINUTE;
33        SET DateEnd = DateStart + INTERVAL timeStep MINUTE;
34
35        INSERT INTO timeStamps
36        SELECT
37            Name,
38            DateStart AS "Date",
39            Count(DISTINCT D.DataID) AS "Amount"
40        FROM Data D
41        WHERE D.AccountID = UserID
42        AND D.MeasureDateStart <= DateEnd
43        AND IFNULL(D.MeasureDateEnd, NOW()) >= DateStart
44        GROUP BY DateStart, Name;
45
46        SET timeOffset = timeOffset + timeStep;
47    END WHILE;
48
49    Select * FROM timeStamps Order by 2, 1;
50 END
```