

# Training Database of the Chair of Computing in Civil Engineering Bauhaus Universität-Weimar

## Measurements

### Exercises:

1. Show the temperature of Sensornode1 with its corresponding timestamps.
2. Display temperatures and timestamps of both sensornodes.
3. Calculate the value of the total acceleration for Sensornode1 at all times.
4. Show the timestamps for which both sensornodes have measured the same temperature.

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### Measurements

#### Solutions:

1. SELECT Timestamp, Temp FROM Sensornode1
2. SELECT Sensornode1.Timestamp, Sensornode1.Temp AS Temp1, Sensornode2.Temp AS Temp2 FROM Sensornode1, Sensornode2 WHERE Sensornode1.Timestamp = Sensornode2.Timestamp
3. SELECT Timestamp, sqrt(AccX\*AccX + AccY\*AccY + AccZ\*AccZ) AS NetAcc FROM Sensornode1
4. SELECT Sensornode1.Timestamp AS Time FROM Sensornode1, Sensornode2 WHERE Sensornode1.Temp = Sensornode2.Temp AND Sensornode1.Timestamp = Sensornode2.Timestamp