

Create SQL query which returns the max no. of simultaneous uses of age ("visit") is logged with its entry Your task is to create a SQL query which returns the maximum number of simultaneous uses of a service. Each usage ("visit") is logged with its entry and exit timestamps in a "visits" table structured as follows:

id primary key
entry_time timestamp of visit start
exit_time timestamp of visit end

A visit starts at *entry time* and ends at *exit time*. At exactly *exit time* the visit is considered to have already finished. The *visits table* always contains at least one entry. Your query should return a single row, containing the following columns:

when_happened earliest timestamp when there were visits_count concurrent visits

visits_count maximum count of overlapping visits

*****Solution Query*****

```
SELECT min(B.ENTRY) as when_happened, B.CNT as visits_count
      FROM(SELECT A.id as ID, A.entry_time as ENTRY, COUNT(*) as CNT
            FROM(Select v1.id, v1.entry_time
                  FROM visits v1 inner join visits v2
                  ON v1.exit_time > v2.entry_time and v1.entry_time
< v2.exit_time
                ) as A
            Group by A.id , A.entry_time
          ) as B
      Group by B.ID, B.CNT
      HAVING B.CNT = MAX(B.CNT)
      limit 1;
```