**Day 2**

**Problem Statement:**

If the End\_Date of the tasks are consecutive, then they are part of the same project. Ivy is interested in finding the total number of different projects completed.

* Write a query to output the start and end dates of projects listed by the number of days it took to complete the project in ascending order.
* If there is more than one project that have the same number of completion days, then order by the start date of the project.

**Solution Code:**

**SELECT Start\_Date, MIN(End\_Date) as End\_Date FROM**

**(SELECT Start\_Date FROM time\_sample WHERE Start\_Date NOT IN (SELECT End\_Date FROM time\_sample)) AS T1,**

**(SELECT End\_Date FROM time\_sample WHERE End\_Date NOT IN (SELECT Start\_Date FROM time\_sample)) AS T2**

**WHERE Start\_Date < End\_Date**

**GROUP BY Start\_Date**

**ORDER BY DATEDIFF(MIN(End\_Date), Start\_Date), Start\_Date;**

**Screenshot of the Code:**

