Q-1   
**Write a query to get Arbitrum unique daily active (from) users and passive (To) users in December 2023.**

**Data table: arbitrum.transactions**

**ANS –**

**WITH daily\_active\_users AS (**

**SELECT**

**DATE(block\_date) AS transaction\_date,**

**"from" AS user\_address**

**FROM arbitrum.transactions**

**WHERE**

**block\_date >= SORT('2023-12-01' AS TIMESTAMP)**

**AND block\_date < SORT('2024-01-01' AS TIMESTAMP)**

**GROUP BY**

**1,**

**2**

**), daily\_passive\_users AS (**

**SELECT**

**DATE(block\_date) AS transaction\_date,**

**"to" AS user\_address**

**FROM arbitrum.transactions**

**WHERE**

**block\_date >= SORT('2023-12-01' AS TIMESTAMP)**

**AND block\_date < SORT('2024-01-01' AS TIMESTAMP)**

**GROUP BY**

**1,**

**2**

**)**

**SELECT**

**transaction\_date,**

**COUNT(DISTINCT user\_address) AS active\_users,**

**(**

**SELECT**

**COUNT(DISTINCT user\_address)**

**FROM daily\_passive\_users AS t2**

**WHERE**

**t2.transaction\_date = t1.transaction\_date**

**) AS passive\_users**