

Gaps and Islands Problem/Consecutive Dates with the same status

INPUT	
date_value	Status
2022-01-01	Success
2022-01-02	Success
2022-01-03	Success
2022-01-04	Fail
2022-01-05	Fail
2022-01-06	Success

OUTPUT		
Start_date	End_date	State
2022-01-01	2022-01-03	Success
2022-01-04	2022-01-05	Fail
2022-01-06	2022-01-06	Success

```

Select
State,
min(date_value) as Start_date,
max(date_value) as End_date
Group by state, grp
From
(Select
Date_value,
status,
date_value - date_value*INTERVAL '1 DAY' '(ROW_NUMBER() OVER(PARTITION BY
status ORDER BY date_value)as grp
From project_date_status
) as revised_project_date_status

```

date_value	Status	rn	grp (date_value - rn days)
2022-01-01	Success	1	2021-12-31
2022-01-02	Success	2	2021-12-31

2022-01-03	Success	3	2021-12-31
2022-01-06	Success	4	2022-01-02
2022-01-04	Fail	1	2022-01-03
2022-01-05	Fail	2	2022-01-03

Second Thought: Learn about contiguous and non-contiguous beyond this!