Chapter 10. Advanced Join

Advanced Join

🎯 15. Placements

- 본인, 친구의 Salary를 구하기
- JOIN 하여 조건(친구보다 Salary가 낮음)에 부합하는 결과 출력

```sql
SELECT A.Name

FROM Students A
INNER JOIN Packages B
ON A.ID = B.ID

INNER JOIN (SELECT C.ID
            , C.Friend_ID
            , D.Salary as friend_salary
            FROM  Friends C
            INNER JOIN Packages D
            ON C.Friend_ID = D.ID) E
ON A.ID = E.ID
AND B.Salary < E.friend_salary

ORDER BY E.friend_salary
```

🎯 16. SQL Project Planning

- 프로젝트의 Start Date, End Date 가 될 수 있는 날짜 추리기
- Start Date가 End Date보다 작은(시점이 이른) 조건으로 JOIN 하기
- Start Date 기준으로 그룹핑 하기

```sql
SELECT tbl_start.Start_Date as startdate
     , min(tbl_end.End_Date) as enddate
     -- , min(tbl_end.End_Date) - tbl_start.Start_Date as diff
FROM (SELECT Start_Date
      FROM Projects
      WHERE Start_Date not in (select distinct End_Date from Projects)) tbl_start
INNER JOIN (SELECT End_Date
            FROM Projects
            WHERE End_Date not in (select distinct Start_Date from Projects)) tbl_end
ON tbl_start.Start_Date < tbl_end.End_Date

GROUP BY tbl_start.Start_Date
ORDER BY min(tbl_end.End_Date) - tbl_start.Start_Date asc, startdate asc
```