**Задание №1**

SELECT

a1.anime\_name,

a2.person\_prot AS protagonist,

a1.person\_antg AS antagonist

FROM

Anime\_Antagonist a1

JOIN Anime\_Protagonist a2 ON a1.anime\_name = a2.anime\_name

JOIN Anime\_Person\_Date d ON a2.person\_prot = d.person\_prot

WHERE DATEDIFF(day, d.person\_date\_start, d.person\_date\_end) > 60

GROUP BY

a1.anime\_name,

a2.person\_prot,

a1.person\_antg;

**Задание №2**

WITH RankedHeroes AS (

SELECT

h.name\_hero,

a.Attributes\_hero,

s.statistic\_hero \* 30 AS scaled\_stat,

ROW\_NUMBER() OVER(PARTITION BY a.Attributes\_hero ORDER BY s.statistic\_hero DESC) AS rnk

FROM

Hero h

JOIN Attributes a ON h.id\_attributes = a.ID\_Attributes

JOIN statistic s ON h.id\_hero = s.id\_hero

)

SELECT

name\_hero,

Attributes\_hero,

scaled\_stat

FROM

RankedHeroes

WHERE

rnk <= 5

**Задание №3**

WITH PlayerStats AS (

SELECT p.player\_id,

COUNT(CASE WHEN g.game\_result = 'WON' THEN 1 END) AS num\_wins,

COUNT(CASE WHEN g.game\_result = 'LOST' THEN 1 END) AS num\_losses,

AVG(g.duration\_minutes) AS average\_duration

FROM players p

JOIN games g ON p.player\_id = g.player\_id

WHERE g.duration\_minutes > 30

GROUP BY p.player\_id

),

PlayerDifference AS (

SELECT player\_id, num\_wins, num\_losses,

num\_wins - num\_losses AS difference

FROM PlayerStats

),

MaxWinHero AS (

SELECT hero\_id,

ROW\_NUMBER() OVER (ORDER BY COUNT(\*) DESC) as row\_num

FROM players

JOIN games ON players.player\_id = games.player\_id

WHERE games.game\_result = 'WON' AND games.duration\_minutes > 30

GROUP BY hero\_id

)

SELECT p.player\_name, pd.num\_wins,

pd.num\_losses,

CASE

WHEN pd.difference > 0 THEN '+' + CAST(pd.difference AS VARCHAR)

ELSE CAST(pd.difference AS VARCHAR)

END AS win\_loss\_difference, ps.average\_duration, h.name\_hero AS max\_win\_hero

FROM PlayerDifference pd

JOIN players p ON pd.player\_id = p.player\_id

JOIN PlayerStats ps ON p.player\_id = ps.player\_id

JOIN (SELECT hero\_id FROM MaxWinHero WHERE row\_num = 1) mwh ON p.hero\_id = mwh.hero\_id

JOIN Hero h ON p.hero\_id = h.id\_hero

GROUP BY p.player\_name, pd.num\_wins, pd.num\_losses, pd.difference, ps.average\_duration, h.name\_hero;