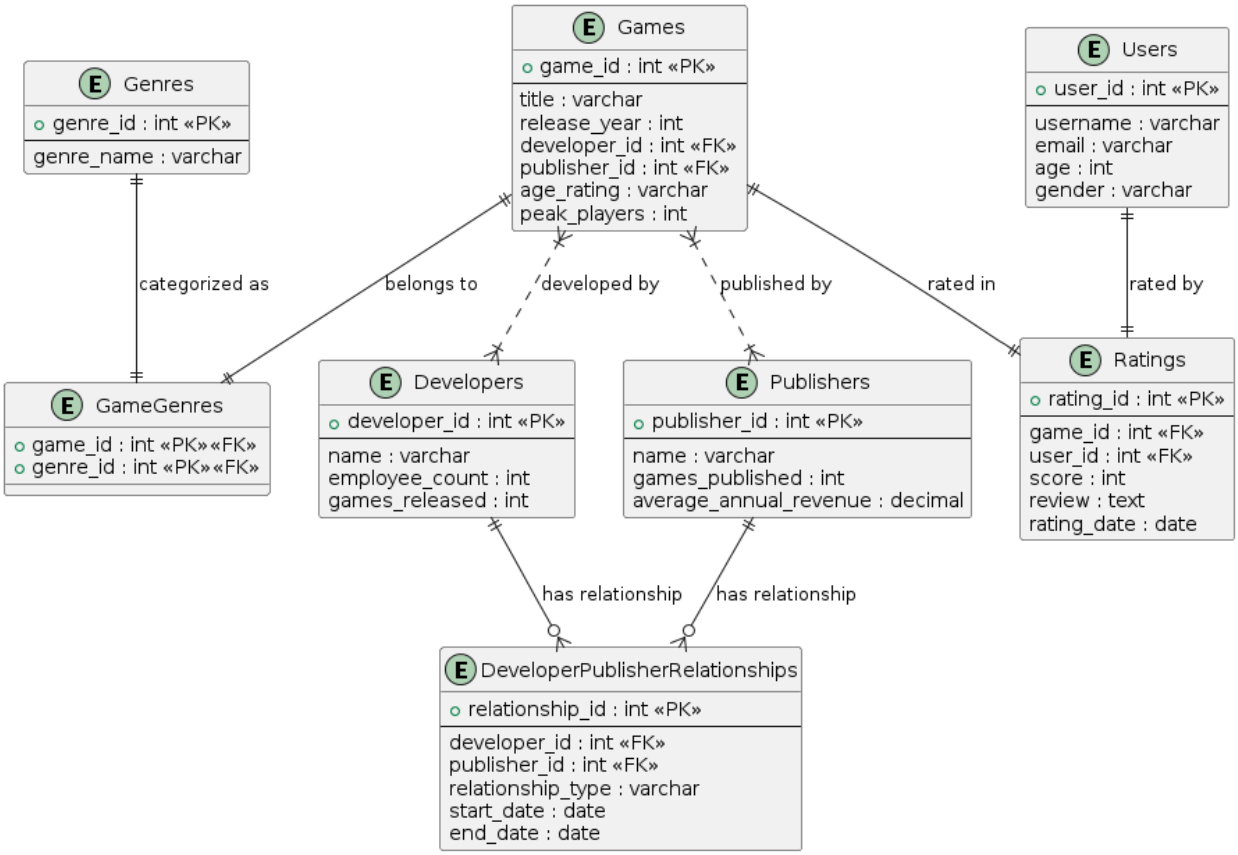
ERD



Задание

На защиту: для каждого издателя (id) выведите "самый лучший" год (когда было наибольшее число релизов)

Решение:

1)Для начала добавим в базу тестовую игру, дабы хотя бы у одного издателя было в какой-то год больше одного релиза:

Query Query History

```
1 INSERT INTO Games (title, release_year, developer_id, publisher_id, age_rating, peak_players) VALUES
2     ('Test game', 2018, 9, 8, '13+', 1111);
3 SELECT * FROM Games
```

Data Output Messages Notifications

	game_id [PK] integer	title character varying (100)	release_year integer	developer_id integer	publisher_id integer	age_rating character varying (10)	peak_players integer
1	1	Fortnite	2017	1	5	13+	12000000
2	2	Half-Life: Alyx	2020	2	4	17+	16000
3	3	The Witcher 3	2015	3	6	18+	103000
4	4	Assassin`s Creed Odyssey	2018	4	3	17+	62000
5	5	Call of Duty: Modern Warfare	2019	7	2	18+	2000000
6	6	Call of Duty: Black Ops	2010	8	2	18+	900000
7	7	Dragon Age: Inquisition	2014	5	1	17+	4000
8	8	Crusader Kings III	2020	6	7	16+	100000
9	9	Helldivers	2015	9	8	16+	50000
10	10	Spider-Man	2018	10	8	16+	500000
11	11	Test game	2018	9	8	13+	1111

2) Запрос:

```sql
WITH ReleaseCounts AS (
    SELECT
        publisher_id,
        release_year,
        COUNT(*) AS release_count
    FROM
        Games
    GROUP BY
        publisher_id,
        release_year
),
RankedReleases AS (
    SELECT
        publisher_id,
        release_year,
        release_count,
```

```
        ROW_NUMBER() OVER (PARTITION BY publisher_id ORDER BY release_count DESC)
AS rn
    FROM
        ReleaseCounts
)
SELECT
    publisher_id,
    release_year,
    release_count
FROM
    RankedReleases
WHERE
    rn = 1
ORDER BY
    publisher_id;
```

3) Пример работы запроса:

Query | Query History

```
12  RankedReleases AS (
13      SELECT
14          publisher_id,
15          release_year,
16          release_count,
17          ROW_NUMBER() OVER (PARTITION BY publisher_id ORDER BY release_count DESC) AS rn
18      FROM
19          ReleaseCounts
20  )
21  SELECT
22      publisher_id,
23      release_year,
24      release_count
25  FROM
26      RankedReleases
27  WHERE
28      rn = 1
29  ORDER BY
30      publisher_id;
31
```

Data Output | Messages | Notifications

	publisher_id integer	release_year integer	release_count bigint
1	1	2014	1
2	2	2019	1
3	3	2018	1
4	4	2020	1
5	5	2017	1
6	6	2015	1
7	7	2020	1
8	8	2018	2