

```
mysql> -- USE DATABASE
mysql> use sets;
Database changed
mysql> -- TABLE 1
mysql> select
    -> * from imdb_backup;
```

Sr_No	Name	Year	Certificate	Rating	Votes
1	Spider-Man	2018	T	9.2	20759
2	Red Dead Redemption II	2018	M	9.7	35703
3	Grand Theft Auto V	2013	M	9.5	59986
4	God of War	2018	M	9.9	26118
5	Injustice 2	2016	T	9.5	28722
6	The Last of Us: Part II	2020	M	8.5	30460
7	Horizon Forbidden West	2022	T	9.2	2979
8	The Last of Us	2013	M	9.7	60590
9	Detroit: Become Human	2018	M	9.2	16907
10	Death Standing	2019	M	8.8	8136

```
mysql> -- TABLE 2
mysql> select * from genres;
```

Sr_No	Action	Adventure	Comedy	Crime	Family	Fantasy	Mystery	Sci_Fi	Thriller
1	1	1	0	0	0	1	0	0	0
2	1	1	0	1	0	0	0	0	0
3	1	0	0	1	0	0	0	0	0
4	1	1	0	0	0	0	0	0	0
5	1	1	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0
7	1	1	0	0	0	0	1	0	0
8	1	1	0	0	0	0	0	0	0
9	1	1	0	0	0	0	0	0	0
10	1	1	0	0	0	0	0	0	0

```
mysql> -- TASK 2
mysql> -- Step 1: Combine imdb_backup and genres
mysql> WITH Combined AS (
  -> SELECT
  -> i.Sr_No,
  -> i.Name,
  -> i.Year,
  -> i.Rating,
  -> i.Votes,
  -> g.Action,
  -> g.Adventure,
  -> g.Fantasy
  -> FROM imdb_backup i
  -> JOIN genres g ON i.Sr_No = g.Sr_No
  -> ),
  -> -- Step 2: Create simple genre tag string
  -> GenreLabelled AS (
  -> SELECT *,
  -> CONCAT_WS(' ',
  -> CASE WHEN Action = 'TRUE' THEN 'Action' ELSE NULL END,
  -> CASE WHEN Adventure = 'TRUE' THEN 'Adventure' ELSE NULL END,
  -> CASE WHEN Fantasy = 'TRUE' THEN 'Fantasy' ELSE NULL END
  -> ) AS Genres
  -> FROM Combined
  -> ),
  -> -- Step 3: Get top-rated game per year
  -> TopGames AS (
  -> SELECT *,
  -> RANK() OVER (PARTITION BY Year ORDER BY Rating DESC) AS RankInYear
  -> FROM GenreLabelled
  -> )
```

```

-> )
-> -- Final: Clean report with just the essentials
-> SELECT
-> Year AS `Year`,
-> Name AS `Top Game`,
-> Rating AS `Rating`,
-> Votes AS `Votes`,
-> Genres AS `Genres`
-> FROM TopGames
-> WHERE RankInYear = 1
-> ORDER BY Year;

```

Year	Top Game	Rating	Votes	Genres
2013	The Last of Us	9.7	60590	Fantasy
2016	Injustice 2	9.5	28722	Fantasy
2018	God of War	9.9	26118	Fantasy
2019	Death Standing	8.8	8136	Fantasy
2020	The Last of Us: Part II	8.5	30460	Fantasy
2022	Horizon Forbidden West	9.2	2979	Fantasy

6 rows in set, 3 warnings (0.03 sec)