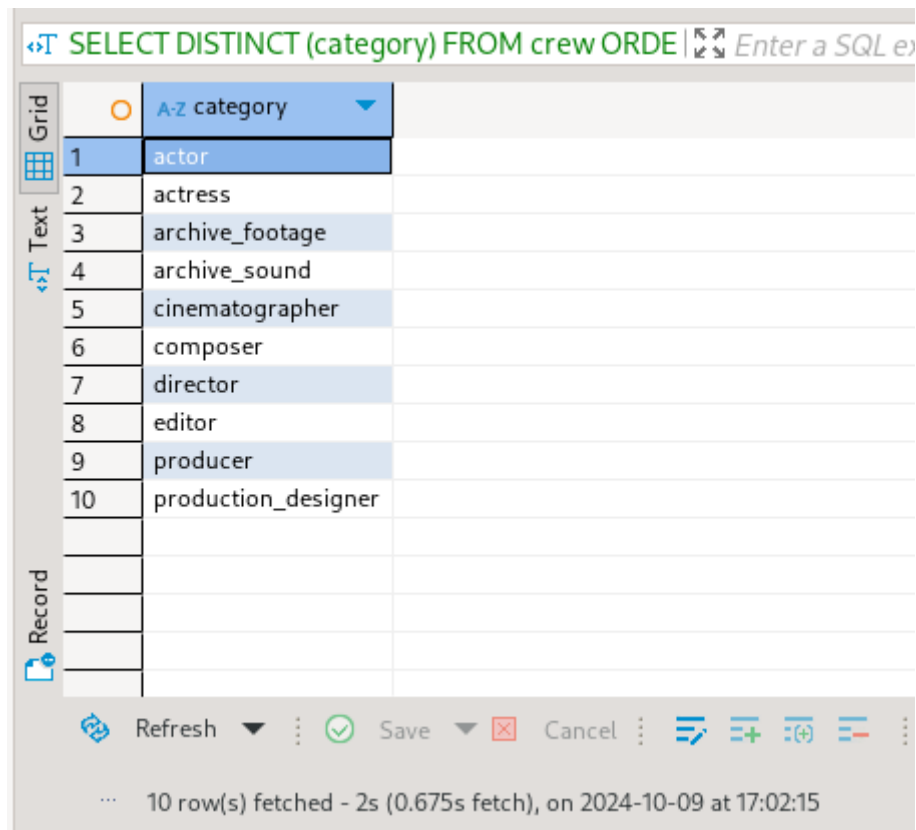


Database Query Engines

Q1

```
SELECT DISTINCT (category)
FROM crew
ORDER BY category
LIMIT 10;
```



The screenshot shows a database query engine interface. At the top, the SQL query is entered: `SELECT DISTINCT (category) FROM crew ORDER BY category`. Below the query bar, there are three tabs: "Grid", "Text", and "Record". The "Grid" tab is selected, displaying a table with 10 rows and 2 columns. The first column is labeled "A-Z category" and the second column is labeled "category". The rows contain the following data:

A-Z category	category
1	actor
2	actress
3	archive_footage
4	archive_sound
5	cinematographer
6	composer
7	director
8	editor
9	producer
10	production_designer

At the bottom of the interface, there is a status bar that reads: "10 row(s) fetched - 2s (0.675s fetch), on 2024-10-09 at 17:02:15".

Q2

```
SELECT premiered, CONCAT(primary_title, ' (', original_title, ')')
WHERE
    premiered IS NOT NULL
    AND genres LIKE "%Action%"
    AND type = "movie"
    AND original_title != primary_title
ORDER BY premiered DESC, primary_title
LIMIT 10;
```

SELECT premiered, CONCAT(primary_title, ' '), 123 Enter a SQL expression to filter results (use Ctrl+Space)

Grid	123 premiered	A-Z title
1	2,027	The Adventures of Tintin: Red Rackham's Treasure (Untitled Adventures of Tintin Sequel)
2	2,023	Star Wars: Rogue Squadron (Rogue Squadron)
3	2,022	Cyber Heist (Dyun mong)
4	2,022	Detective vs. Sleuths (San taam daai zin)
5	2,022	Dragon Ball Super: Super Hero (Doragon boru supa supa hiro)
6	2,022	Fullmetal Alchemist: Final Transmutation (Hagane no Renkinjutsushi: Kanketsu-hen - Saigo no Rensei)
7	2,022	Kamen Rider OOO 10th: The Core Medals of Resurrection (Kamen Raidô Ôzu 10th: Fukkatsu no Coa Medaru)
8	2,022	Khuda Haafiz Chapter 2 Agni Pariksha (Khuda Haafiz Chapter II: Agni Pariksha)
9	2,022	Ladybug & Cat Noir: The Movie (Ladybug & Cat Noir: Awakening)
10	2,022	Mobile Suit Gundam: Cucuruz Doan's Island (Kidô senshi Gundam Cucuruz Doan no shima)
Record		

Refresh Save Cancel Export data 20

Q3

```
SELECT primary_title, (IFNULL(ended, 2024) - premiered) AS years_1
WHERE
    premiered IS NOT NULL
    AND type = "tvSeries"
ORDER BY years_running DESC, primary_title
LIMIT 20;
```

SELECT primary_title, (IFNULL(ended, 2024) - p | Enter a SQL expression t

Grid	A-Z primary_title	123 years_running
1	Looney Tunes	94
2	Alice Remsen	93
3	Hints for Swimmers	93
4	Robert Campbell	92
5	Talkie Songs	92
6	Messeanimals	89
7	1937 Coronation	87
8	Sports Review	87
9	The Disorderly Room	87
10	Craftsmen at Work	86
11	Looney Tunes	84
12	WNBC-TV News	83
13	Johnny Olson's Rumpus Room	78
14	Party Line	78
15	See What You Know	78
16	Broadway Spotlight	77
17	Play the Game	77
18	WJLA ABC 7 News	77
19	Barney Blake, Police Reporter	76
20	Make Mine Music	76

Record

Refresh Save Cancel

Q4

```

SELECT
    CONCAT(CAST(10 * ROUND(born / 10) as INTEGER), 's') AS decade,
    COUNT(DISTINCT people.person_id) as num_directors
FROM crew
JOIN people ON crew.person_id = people.person_id
WHERE
    category = "director"
    AND born IS NOT NULL
    AND (10 * ROUND(born / 10)) >= 1900
GROUP BY decade
ORDER BY decade;

```

[illegible]

Q5

```
SELECT
    titles.type AS title_type,
    ROUND(AVG(rating),2) AS avg_rating,
    MIN(rating) AS min_rating,
    MAX(rating) AS max_rating
FROM akas
JOIN titles ON akas.title_id = titles.title_id
JOIN ratings ON akas.title_id = ratings.title_id
WHERE "language" = "de" AND (types = "imdbDisplay" OR types = "or:
GROUP BY titles.type;
```


[illegible]

Q7

```
SELECT COUNT(DISTINCT person_id) from people WHERE born = (  
    SELECT premiered FROM titles  
    WHERE primary_title = "The Prestige" AND type = "movie"  
);
```


SELECT DISTINCT name FROM crew JOIN peop

Grid	A-Z name	
1	Aimé Forget	
2	Alan Cooke	
3	Albert Zugsmith	
4	Alex Schead	
5	Alexander Gardiner	
6	Amber Edwards	
7	Amma Asante	
8	Angelica Cristina Dio	
9	Anthony Barajas	
10	Anthony Garner	
11	Anthony Parker	
12	Asad Panjwani	
13	Bill Hitchcock	
14	Bruce Kessler	
15	Bruno Piney	
16	Butch Hartman	
17	Bénédicte Delmas	
18	Cedric Messina	
19	Charles Beeson	
20	Christophe Douchand	
21	Clark Jones	
22	Colin Barr	
23	Cullen McGraw	
24	Daniel Leahey	

Record

Refresh Save Cancel

Q9

```

SELECT category, name, died, primary_title, runtime_minutes, dead_
SELECT
    ROW_NUMBER() OVER (
        PARTITION BY category
        ORDER BY died
    ) as dead_num,
*
FROM (
    SELECT
        ROW_NUMBER() OVER (
            PARTITION BY person_id
            ORDER BY runtime_minutes DESC, titles.title_id
        ) AS work_num,
*
```



```

FROM crew
JOIN titles ON titles.title_id = crew.title_id
WHERE runtime_minutes IS NOT NULL
) AS long_works
JOIN people ON people.person_id = long_works.person_id
WHERE work_num = 1 AND died IS NOT NULL
)
WHERE dead_num <= 5
ORDER BY category, died, name;

```

category	name	died	primary_title	runtime_minutes	category_rank
actor	Verner Clarges	1,911	A Summer Idyll	17	1
actor	George Ober	1,912	The Curio Hunters	9	2
actor	Antonio Grisanti	1,914	Parsifal	50	4
actor	Robert Drouet	1,914	Beverly of Graustark	57	3
actor	John Bunny	1,915	Hearts and Diamonds	33	5
actress	Mrs. E.M. Kimball	1,919	The Delayed Letter	11	1
actress	Clarine Seymour	1,920	The Idol Dancer	104	2
actress	Katherine Griffith	1,921	Huckleberry Finn	70	3
actress	Virginia Rappe	1,921	His Musical Sneeze	19	4
actress	Lillian Russell	1,922	La Tosca	30	5
archive_footage	Grand Duchess Alice	1,878	Constraint	59	1
archive_footage	King Edward VII	1,910	The House of Windsor	90	2
archive_footage	George Westinghouse	1,914	Nikola Tesla: Mad Scientist of the Gilded Age	9	3
archive_footage	W.G. Grace	1,915	Legends of Cricket: England	115	4
archive_footage	Emperor Franz Josef	1,916	World Mirror Cinema	93	5
archive_sound	Charles Cabell	1,971	JFK: Part 1	113	1
cinematographer	Dent Gilbert	1,917	Sacrifice	50	1
cinematographer	Carl-Gustaf Florin	1,920	Mästerkatten i stövlar	109	2
cinematographer	William 'Daddy' Paley	1,924	The Seal of the Church	10	3
cinematographer	Ferdynand Vlassak	1,927	Przeznaczenie	76	4
cinematographer	Robert Kurrle	1,932	Rio Rita	140	5
composer	Domenico Cimarosa	1,801	Italians and Other Strangers	76	1
composer	Tyagaraya Swamy	1,847	Thyagayya	143	2
composer	Frédéric Chopin	1,849	Première année	75	3

Q10

```

SELECT GROUP_CONCAT(atom) FROM (
    SELECT DISTINCT atom FROM crew, json_each(crew.characters)
    JOIN people ON crew.person_id = people.person_id
    WHERE name = "Leonardo DiCaprio" AND atom NOT LIKE "%Self%"
);

```

GROUP_CONCAT(atom)
Luke Brower,Garry Buckman,Toby Arnie Grape,Bud Jim Carroll,Kid Arthur Rimbaud,Hank Romeo,Derek Jack Dawson,Brandon Darrow,King Louis,Phillippe,Richard,Amsterdam Vallon,Frank Abagnale Jr.,Howard Hughes,Billy,Danny