

1. Query # 1

```
SELECT
  COUNT(DISTINCT (itemNumber))
FROM
  (SELECT
    *
  FROM
    (SELECT
      *
    FROM
      spl_2016.outraw
    WHERE
      title = 'Hunger Games') sub
  WHERE
    itemtype LIKE '%bk'
    OR itemtype LIKE '%dvd') sub2;
```

2. Query # 2

```
SELECT
  DATE_FORMAT(cout, '%Y-%m') AS month_cout,
  itemtype,
  COUNT(cout) AS num_couts
FROM
  ((SELECT
    *
  FROM
    (SELECT
      *
    FROM
      spl_2016.outraw
    WHERE
      title = 'Hunger Games') sub
  WHERE
    itemtype LIKE '%dvd'
    OR itemtype LIKE '%bk')) sub2
GROUP BY itemtype , month_cout;
```

3. Query # 3

```
SELECT
  DATE_FORMAT(cout, '%Y-%m') AS month_cout,
  COUNT(cout) AS num_couts
FROM
  ((SELECT
    *
  FROM
    (SELECT
```

```

*
FROM
    spl_2016.outraw
WHERE
    title = 'Hunger Games') sub
WHERE
    itemtype LIKE '%bk')) sub2
GROUP BY month_cout;

```

4. Query # 4

```

SELECT
    DATE_FORMAT(cout, '%Y-%m') AS month_cout,
    COUNT(cout) AS num_couts
FROM
    ((SELECT
        *
        FROM
            (SELECT
                *
                FROM
                    spl_2016.outraw
                WHERE
                    title = 'Hunger Games') sub
            WHERE
                itemtype LIKE '%dvd')) sub2
    GROUP BY month_cout;

```

5. Query # 5

```

SELECT
    itemNumber, DAY(cout) AS day_CO
FROM
    spl_2016.outraw
WHERE
    title = 'Hunger Games'
    AND itemtype LIKE '%bk'
    AND MONTH(cout) = '10'
    AND YEAR(cout) = '2012';

```

6. Query # 6

```

SELECT
    barcode, DAY(cout) AS day_CO
FROM
    spl_2016.outraw
WHERE
    title = 'Hunger Games'
    AND itemtype LIKE '%bk'
    AND MONTH(cout) = '10'

```

AND YEAR(cout) = '2012';

7. Query # 7

```
SELECT
  itemNumber, DAY(cout) AS day_CO
FROM
  spl_2016.outraw
WHERE
  title = 'Hunger Games'
  AND itemtype LIKE '%dvd'
  AND MONTH(cout) = '10'
  AND YEAR(cout) = '2012'
  AND itemNumber IS NOT NULL;
```

8. Query # 8

```
SELECT
  barcode, DAY(cout) AS day_CO
FROM
  spl_2016.outraw
WHERE
  title = 'Hunger Games'
  AND itemtype LIKE '%dvd'
  AND MONTH(cout) = '10'
  AND YEAR(cout) = '2012'
  AND barcode IS NOT NULL;
```

9. Query # 9

```
SELECT DISTINCT
  (itemNumber), COUNT(cout)
FROM
  spl_2016.outraw
WHERE
  title = 'Hunger Games'
  AND itemtype LIKE '%bk'
GROUP BY 1
ORDER BY 2 DESC;
```

10. Query # 10

```
SELECT DISTINCT
  (itemNumber),
  MIN(date_CO) AS first_time_CO,
  MAX(date_CO) AS last_time_CO
FROM
  (SELECT
    itemNumber, DATE(cout) AS date_CO
  FROM
    spl_2016.outraw
  WHERE
```

```
        title = 'Hunger Games'
        AND itemtype LIKE '%bk'
    ORDER BY DATE(cout) ASC) sub
GROUP BY 1;
```

11. Query # 11

```
SELECT
    itemNumber,
    first_time_CO,
    last_time_CO,
    DATEDIFF(last_time_CO, first_time_CO) AS date_diff
FROM
    (SELECT DISTINCT
        (itemNumber),
        MIN(date_CO) AS first_time_CO,
        MAX(date_CO) AS last_time_CO
    FROM
        (SELECT
            itemNumber, DATE(cout) AS date_CO
        FROM
            spl_2016.outraw
        WHERE
            title = 'Hunger Games'
            AND itemtype LIKE '%bk'
        ORDER BY DATE(cout) ASC) sub
        GROUP BY 1) sub2
WHERE
    DATEDIFF(last_time_CO, first_time_CO) <= 365
    AND YEAR(first_time_CO) = 2012;
```

12. Query # 12

```
SELECT
    *
FROM
    (SELECT
        CASE
            WHEN itemNumber = '4274741' THEN 'A'
            WHEN itemNumber = '4274745' THEN 'B'
            WHEN itemNumber = '4274747' THEN 'C'
            WHEN itemNumber = '4274763' THEN 'D'
            WHEN itemNumber = '4274765' THEN 'E'
            ELSE 'NA'
        END AS item_new_numbers,
        cout,
        cin
    FROM
```

```

spl_2016.inraw
WHERE
    title = 'Hunger Games'
    AND itemtype LIKE '%bk'
    AND YEAR(cout) >= 2012) sub
WHERE
    item_new_numbers = 'B'
    OR item_new_numbers = 'C'
    OR item_new_numbers = 'A'
    OR item_new_numbers = 'D'
    OR item_new_numbers = 'E'
GROUP BY item_new_numbers , 2 , 3;

```

13. Query # 13

```

SELECT DISTINCT
    (first_time_CO) AS year,
    COUNT(itemNumber) AS number_new_books
FROM
    (SELECT DISTINCT
        (itemNumber), YEAR(MIN(date_CO)) AS first_time_CO
    FROM
        (SELECT
            itemNumber, DATE(cout) AS date_CO
        FROM
            spl_2016.outraw
        WHERE
            title = 'Hunger Games'
            AND itemtype LIKE '%bk'
        ORDER BY DATE(cout) ASC) sub
    GROUP BY 1) sub2
GROUP BY 1
ORDER BY 1 ASC;

```

14. Query # 14

```

SELECT
    *
FROM
    (SELECT
        itemNumber,
        first_time_CO,
        last_time_CO,
        DATEDIFF(last_time_CO, first_time_CO) AS date_diff
    FROM
        (SELECT DISTINCT
            (itemNumber),
            MIN(date_CO) AS first_time_CO,

```

```

        MAX(date_CO) AS last_time_CO
FROM
    (SELECT
        itemNumber, DATE(cout) AS date_CO
    FROM
        spl_2016.outraw
    WHERE
        title = 'Hunger Games'
        AND itemtype LIKE '%bk') sub
    GROUP BY 1) sub2) sub3
ORDER BY date_diff DESC
LIMIT 10;

```

15. Query # 15

```

SELECT
    *
FROM
    (SELECT
        itemNumber,
        first_time_CO,
        last_time_CO,
        DATEDIFF(last_time_CO, first_time_CO) AS date_diff
    FROM
        (SELECT DISTINCT
            (itemNumber),
            MIN(date_CO) AS first_time_CO,
            MAX(date_CO) AS last_time_CO
        FROM
            (SELECT
                itemNumber, DATE(cout) AS date_CO
            FROM
                spl_2016.outraw
            WHERE
                title = 'Hunger Games'
                AND itemtype LIKE '%bk') sub
            GROUP BY 1) sub2) sub3
        ORDER BY date_diff ASC
        LIMIT 10
    )

```