1.
```
sqlite> SELECT
   ...> id,
   ...> flow_number,
   ...> SUBSTR(started_at, 7, 4) AS year,
   ...> SUBSTR(started_at, 4, 2) AS month,
   ...> SUBSTR(started_at, 1, 2) AS day
   ...> FROM streams;

id    flow_number             year        month  day
--    -----------             ----        -----       ---
1     165                     2020        08          18
2     178                     2020        10          02
3     203                     2020        11          12
4     210                     2020        12          03
```

2.
```
sqlite> UPDATE streams SET started_at = SUBSTR(started_at, 7, 4) || '-'
   ...> || SUBSTR(started_at, 4, 2) || '-'
   ...> || SUBSTR(started_at, 1, 2);
   sqlite> SELECT * FROM streams;

id  course_id  flow_number  started_at  students_amount
--  ---------  -----------  ----------  ---------------
1   3          165          2020-08-18  34
2   2          178          2020-10-02  37
3   1          203          2020-11-12  35
4   1          210          2020-12-03  41
```

```
sqlite> SELECT
   ...> id,
   ...> flow_number,
   ...> MAX(started_at)
   ...> FROM streams;

id  flow_number  MAX(started_at)
--  -----------  ---------------
4   210          2020-12-03
```

3.
```
sqlite> SELECT
   ...> DISTINCT(SUBSTR(started_at, 1, 4)) as uniq_year
   ...> FROM streams;

uniq_year
---------
2020
```

4.
```
sqlite> SELECT
   ...> COUNT (*) AS total_teachers
   ...> FROM teachers;

total_teachers
--------------
3
```

5.
```
sqlite> SELECT
   ...> id,
   ...> started_at
   ...> FROM streams
   ...> WHERE id BETWEEN (SELECT MAX(id) - 1 FROM streams)
   ...> AND (SELECT MAX(id) FROM streams);

id  started_at
--  ----------
3   2020-11-12
4   2020-12-03
```

6.
```
sqlite> SELECT
   ...> AVG(performance)
   ...> FROM academic_performance
   ...> WHERE teacher_id = 1;

AVG(performance)
----------------
4.85
```

7.
```
sqlite> SELECT
   ...> teacher_id,
   ...> AVG(performance)
   ...> FROM academic_performance
   ...> GROUP BY teacher_id
   ...> HAVING AVG(performance)  < 4.8;

teacher_id  AVG(performance)
----------  ----------------
3           4.7
```