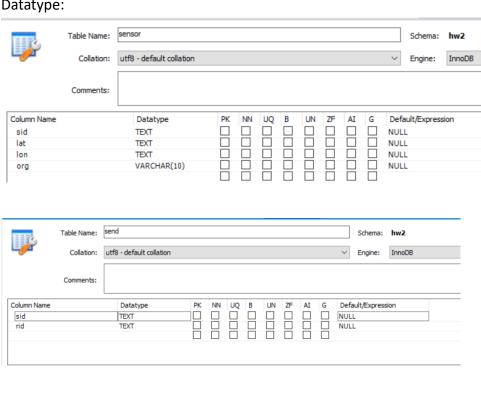
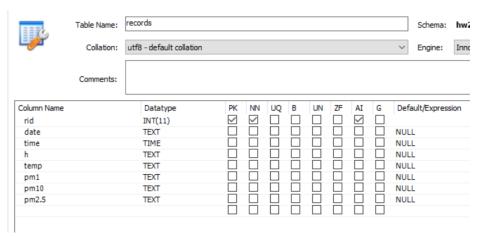
1.

Table:

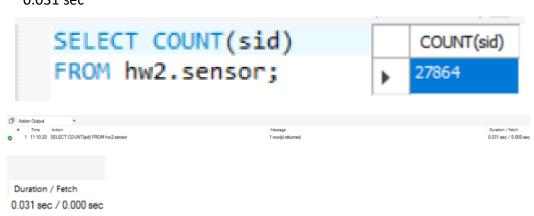
https://drive.google.com/drive/folders/0B2O3myu6Z8reajVQSGhrM1AwUkE?usp=sh aring

Datatype:



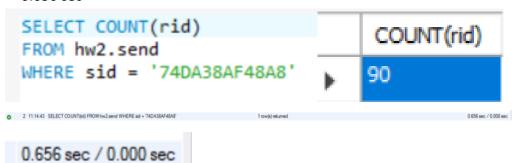


2. Ans: 27864 0.031 sec



3. Ans: 90

0.656 sec



4. Ans:

 $\underline{https://drive.google.com/file/d/0B2O3myu6Z8reT0hMSHZmYjBXRTA/view?usp=shari}$

ng

1.391 sec

5. Ans: 1.7873 %

0.062 sec



0.062 sec / 0.000 sec

6. Ans:

https://drive.google.com/file/d/0B2O3myu6Z8reTmhXRjhGR01XVEU/view?usp=shari

ng

13.094 sec

```
SELECT A.sid, AVG(B.temp)
FROM hw2.send A, hw2.records B
WHERE A.rid = B.rid AND (B.date = '2017-03-04' OR B.date = '2017-03-05')
GROUP BY A.sid
```

1 11:30:36 SELECT A.sid, AVG(B.temp) FROM hw2 send A, hw2 records B WHERE A.rid = B.rid AND (B.date = 2017-03-0... 599 row(s) returned

13.094 sec / 0.000 sec

Duration / Fetch

13.094 sec / 0.000 sec

7. Ans:

https://drive.google.com/file/d/0B2O3myu6Z8reM1I0OEhEWUhXejQ/view?usp=sharing

29.5 sec

```
SELECT DISTINCT S.date, P.sid
   FROM hw2.send P, hw2.records S
| WHERE P.rid = S.rid AND S.date = '2017-03-02' AND P.sid IN ( SELECT k.q FROM (SELECT DISTINCT G.sid as q
                                    FROM hw2.send G, hw2.records H
                                   WHERE G.rid = H.rid AND
H.date = '2017-03-02'
ORDER BY H.`pm2.5` DESC
                                   LIMIT 10 ) as k)
  UNTON
   SELECT DISTINCT B.date, A.sid
   FROM hw2.send A, hw2.records B
FROM (MW2.send A, Mw2.records B

WHERE A.rid = B.rid AND B.date = '2017-03-03' AND A.sid IN ( SELECT t.m

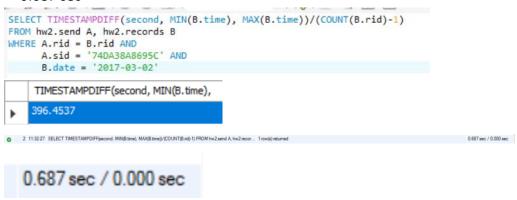
FROM ( SELECT DISTINCT C.sid as m
FROM hw2.send C, hw2.records D
                                      WHERE C.rid = D.rid AND
D.date = '2017-03-03'
ORDER BY D.`pm2.5` DESC
LIMIT 10 ) as t)
  UNTON
   SELECT DISTINCT W.date, V.sid
   FROM hw2.send V, hw2.records W
WHERE V.rid = W.rid AND W.date = '2017-03-04' AND V.sid IN ( SELECT u.r FROM (SELECT DISTINCT I.sid as r
                                    FROM hw2.send I, hw2.records J
                                   WHERE I.rid = J.rid AND
J.date = '2017-03-04
                                   ORDER BY J. pm2.5 DESC
                                   LIMIT 10 ) as u)
  UNION
   SELECT DISTINCT L.date, K.sid
   FROM hw2.send K, hw2.records L
| WHERE K.rid = L.rid AND L.date = '2017-03-05' AND K.sid IN ( SELECT p.n FROM ( SELECT DISTINCT E.sid as n FROM hw2.send E, hw2.records F
                                    WHERE E.rid = F.rid AND
F.date = '2017-03-05'
ORDER BY F.`pm2.5' DESC
                                     LIMIT 10 ) as p)
```

0 10 12:26:00 SELECT DISTINCT Sidate, Pisid FROM hw2-send P, hw2-records S WHERE P.nd = S.nd AND Sidate = '201... 40 row(s) returned

29.500 sec / 0.000 s

8. Ans: 396.4537 sec

0.687 sec



9. Ans: 42398

2.782 sec



Duration / Fetch

2.782 sec / 0.000 sec

10.