Select name, location, AVG(rating)
from Propertrymgmt
GROUP BY name, location
ORDER BY avg(rating)

$$_{name,\ location}\ \Im\ \{\ \pi_{name,\ location,\ AVG(rating)}\ [\ \tau_{AVG(rating)}\ (Propertrymgmt)\ ]\ \}$$

Select t.tweet, r.location
from Rent r
JOIN Tweet t
ON r.tweet_id = t.tweet_id
WHERE r.rating = 'low'

$$\pi_{t.tweet,\ r.location}(\ \sigma_{t.tweet\_id\ =\ r.tweet\_id\ \wedge\ r.rating='low'}\ )\ (\ \rho_r\ (Rent)\ \times\ \rho_t\ (Tweet)\ )$$

Select t.tweet, s.location, s.intensity
from SocialIssues s
JOIN Tweet t
ON r.tweet_id = t.tweet_id AND r.location = t.city

$$\pi_{t.tweet,\ s.location,\ s.intensity}\ (\ \sigma_{t.tweet\_id\ =\ s.tweet\_id\ \wedge\ s.location\ =\ t.city}\ )\ (\ \rho_s\ (SocialIssues)\ \times\ \rho_t\ (tweet)\ )$$

Select tweet_id, location, rating

from Crimes

ORDER BY rating DESC

LIMIT 1

$\pi_{\text{tweet\_id, location, rating}} [\tau_{\text{rating DESC LIMIT 1}} (\text{Crimes})]$

Select tweet_id, location

from Weather

WHERE level = neutral

LIMIT 1

$\pi_{\text{tweet\_id, location}} (\sigma_{\text{level = 'neutral' LIMIT 1}} \text{Weather})$