1. 列出大陸地區前十大負評作者、內容、負評分數

提示　用SELECT … LIMIT 0, 10 挑前十大

(=> limit 0,10)

負評分數欄位為 negativescore

SELECT Author, Review, NegativeScore FROM `shopcomment` ORDER BY `NegativeScore` DESC limit 0,10

| [**Author**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60Author%60+ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) | [**Review**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60Review%60+ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) | [**NegativeScore [遞減](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author,+Review,+NegativeScore+FROM+%60shopcomment%60%0aORDER+BY+%60shopcomment%60.%60NegativeScore%60++ASC+limit+0+,+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a)**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60NegativeScore%60++ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) |  |
| --- | --- | --- | --- |
| 梦之金陵 | 很难吃 很难吃不好吃 不好吃真的不好吃劝大家不好上当真的不好吃不吃可能有点不甘心，可是吃了，您保准后... | 1.92999994754791 |  |
| 黄鱼儿 | 严重一般，头次去新疆的GGMM不值得一去 | 1.67999994754791 |  |
| 勇敢的可乐 | 我就喜欢吃鱼头里面的面条其它都不感冒散台人太多乱哄哄的布局不合理 | 1.62999999523163 |  |
| 文兵 | 乏善可陈，每况愈下。自助餐品种越来越少，服务越来越散漫，菜也越来越难吃，烧烤也不积极，快完蛋了！下次... | 1.62999999523163 |  |
| 女1号 | 挺喜欢吃这种大大的陷的，一咬一大口诶妈呀，爽东北人嘛，包个混沌抠唆的，没意思连锁的餐饮，挺喜欢 | 1.50999999046326 |  |
| luolidias | 吃过一次 就没有想去第二次的欲望了 东西看着挺多 好吃的没几样。只有不停的啃鸡翅膀，有些菜抢得厉害 ... | 1.32000005245209 |  |
| meezy | 已经不是以前的明婷了，人多又小贵。诶，不建议大家去，无论环境还是服务都让人恼火。不知道怎么进排行榜前... | 1.29999995231628 |  |
| 其实没有什么 | 味道真的一般啊！不知道哪里那么多人喜欢去吃。反正我是不喜欢吃。朋友们也不喜欢吃的。价格也很不实在！ | 1.28999996185303 |  |
| 谢晗林 | 大厅吵闹的很，就象火过一样热，用餐高峰时人声鼎沸，我只是想快吃离开，很少在大厅用餐，无法忍受，也难以... | 1.27999997138977 |  |
| lovemelovemeforever | 真的都很差，人多，杂乱，都吃完了，找钱还没有来。味道也不行，卖相难看，竟然还要等座，恒记就行何必满记... | 1.19000005722046 |  |

SELECT Author, Review, NegativeScore FROM shopcomment ORDER BY NegativeScore DESC limit 0,10

2. 承上，並印出各餐廳名稱與人均單價

提示 人均單價欄位為 avgprice

SELECT Author, Review, NegativeScore, AvgPrice FROM shopcomment ORDER BY NegativeScore DESC limit 0,10

| [**Author**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore%2C+AvgPrice+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60Author%60+ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) | [**Review**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore%2C+AvgPrice+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60Review%60+ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) | [**NegativeScore [遞減](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author,+Review,+NegativeScore,+AvgPrice+FROM+%60shopcomment%60%0aORDER+BY+%60shopcomment%60.%60NegativeScore%60++ASC+limit+0+,+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a)**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore%2C+AvgPrice+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60NegativeScore%60++ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) | [**AvgPrice**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+Author%2C+Review%2C+NegativeScore%2C+AvgPrice+FROM+%60shopcomment%60%0AORDER+BY+%60shopcomment%60.%60AvgPrice%60+ASC+limit+0+%2C+10&session_max_rows=25&token=5f5dbacaee4aa205b79f21eccc8f016a) |  |
| --- | --- | --- | --- | --- |
| 梦之金陵 | 很难吃 很难吃不好吃 不好吃真的不好吃劝大家不好上当真的不好吃不吃可能有点不甘心，可是吃了，您保准后... | 1.92999994754791 | 0 |  |
| 黄鱼儿 | 严重一般，头次去新疆的GGMM不值得一去 | 1.67999994754791 | 50 |  |
| 勇敢的可乐 | 我就喜欢吃鱼头里面的面条其它都不感冒散台人太多乱哄哄的布局不合理 | 1.62999999523163 | 0 |  |
| 文兵 | 乏善可陈，每况愈下。自助餐品种越来越少，服务越来越散漫，菜也越来越难吃，烧烤也不积极，快完蛋了！下次... | 1.62999999523163 | 35 |  |
| 女1号 | 挺喜欢吃这种大大的陷的，一咬一大口诶妈呀，爽东北人嘛，包个混沌抠唆的，没意思连锁的餐饮，挺喜欢 | 1.50999999046326 | 10 |  |
| luolidias | 吃过一次 就没有想去第二次的欲望了 东西看着挺多 好吃的没几样。只有不停的啃鸡翅膀，有些菜抢得厉害 ... | 1.32000005245209 | 60 |  |
| meezy | 已经不是以前的明婷了，人多又小贵。诶，不建议大家去，无论环境还是服务都让人恼火。不知道怎么进排行榜前... | 1.29999995231628 | 30 |  |
| 其实没有什么 | 味道真的一般啊！不知道哪里那么多人喜欢去吃。反正我是不喜欢吃。朋友们也不喜欢吃的。价格也很不实在！ | 1.28999996185303 | 35 |  |
| 谢晗林 | 大厅吵闹的很，就象火过一样热，用餐高峰时人声鼎沸，我只是想快吃离开，很少在大厅用餐，无法忍受，也难以... | 1.27999997138977 | 0 |  |
| lovemelovemeforever | 真的都很差，人多，杂乱，都吃完了，找钱还没有来。味道也不行，卖相难看，竟然还要等座，恒记就行何必满记... | 1.19000005722046 | 30 |  |

\*缺少餐廳名稱(還不會用JOIN)

SELECT Author, Review, NegativeScore, AvgPrice FROM `shopcomment` ORDER BY `NegativeScore` DESC limit 0,10

SELECT shopcomment.\*, shopcity.\* FROM shopcomment

JOIN shopcity ON shopcomment.ShopID = shopcity.ShopID

SELECT shopcomment.Author, shopcomment. Review, shopcomment.AvgPrice, shop.ShopName FROM shopcomment

JOIN shop ON shopcomment.ShopID = shop.ShopID

ORDER BY shopcomment.NegativeScore DESC limit 0,10

SELECT shopcomment.\*, shop.ShopName FROM shopcomment

JOIN shop ON shopcomment.ShopID = shop.ShopID

ORDER BY shopcomment.NegativeScore DESC limit 0,10

SELECT \* FROM shopcomment

UNION

SELECT \* FROM shop

ORDER BY shopcomment.NegativeScore DESC limit 0,10

SELECT shopcomment.\*, shop.ShopName FROM shopcomment

LEFT INNER JOIN shop

ON shopcomment.ShopID = shop.ShopID

ORDER BY shopcomment.NegativeScore DESC limit 0,10

SELECT shopcomment.\*, shop.ShopName FROM shopcomment, shop

WHERE shopcomment.ShopID = shop.ShopID

ORDER BY shopcomment.NegativeScore DESC limit 0,10

SELECT SC.Author, SC.Review, SC.NegativeScore, S.ShopName, SC.AvgPrice

FROM ShopComment as SC, Shop as S

WHERE SC.ShopID = S.ShopID

ORDER BY NegativeScore DESC

LIMIT 0, 10;

1. 列出上海城市的商家總數

提示cityname='上海' 做為過濾條件

SELECT CityID, COUNT(\*) FROM shopcity WHERE CityID ='CT\_0001'

或是

SELECT ShopID COUNT(\*) FROM shopcity GROUP BY CityID

SELECT COUNT(SC.shopID) as count

 FROM ShopCity as SC, City as C

WHERE SC.CityID = C.CityID

AND C.CityName= ‘上海’;

CT\_0001

125

1. 列出上海城市前十大評論數最多的熱門商家

提示 以shopname 做統計

SELECT shop.\*, COUNT(shopcomment.Review), city.\* FROM shopcomment, shop, city limit 0,10

WHERE CityID ='CT\_0001' DESC limit 0,10

SELECT S.ShopName, S.CommentCount

FROM Shop as S, ShopCity as SC, City as C

WHERE S.ShopID = SC.ShopID

AND SC.CityID = C.CityID

AND C.CityName = ‘上海’

ORDER BY S.CommentCount DESC

LIMT 0, 10;

1. 列出上海城市前十個人均單價最貴的商家

提示用SELECT … LIMIT 0, 10 挑前十大

SELECT S.ShopName, S.AvgPriceVar

FROM Shop as S, ShopCity as SC, City as C

WHERE S.ShopID = SC.ShopID

AND SC.CityID = C.CityID

AND C.CityName = ‘上海’

ORDER BY S.AvgPriceVAR DESC

LIMIT 0, 10

1. 列出大陸地區前十大商家數最多的熱門菜系

提示 以dishname 做統計

SELECT D.DishName, COUNT(SD.ShopID) as count

FROM ShopDish as SD, Dish as D

WHERE SD.DishID = D.DishID

GROUP BY D.DishID

 ORDER BY COUNT(SD.ShopID) DESC

LIMIT 0, 10;

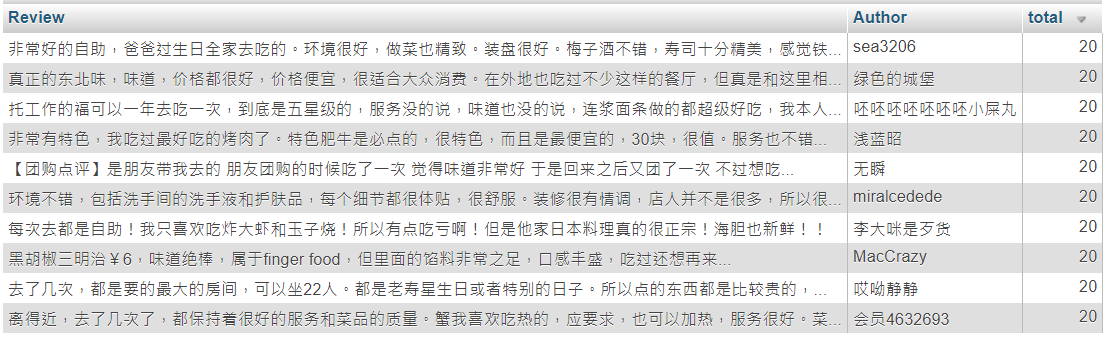
1. 列出大陸地區前十大總分最高的評論、作者、總分

提示 以下列公式為總分

SELECT Review, Author, (CommentMagnitude + CommentTaste + CommentEnvironment + CommentService) as total

FROM `shopcomment`

ORDER BY `total`

DESC LIMIT 0 , 10;

1. 列出西堤牛排在各城市的商家數

提示shopname='西堤牛排' 做為過濾條件

以cityname 做統計

SELECT C.cityname, COUNT(\*) as count

FROM shop as S, shopcity as SC, city as C

WHERE S.shopID = SC.shopID

AND SC.CityID = C.CityID

AND S.shopname = '西堤牛排'

GROUP BY C.cityname;

~~SELECT COUNT(S.ShopName) AS count,~~

~~FROM shopcomment AS SC, city AS C, shop AS S~~

~~WHERE C.CityID = S.CityID~~

~~AND S.ShopName ='西堤牛排',~~

~~GROUP BY C.CityName~~

~~ORDER BY count~~

~~DESC LIMIT 0 , 10;~~

~~SELECT COUNT(S.ShopName) AS count~~

~~FROM shopcomment AS SC, city AS C, shop AS S, ShopCity AS SCity~~

~~WHERE SCity.ShopID = S.ShopID~~

~~AND SCity.ShopID = SC.ShopID~~

~~AND SCity.CityID = C.CityID~~

~~AND S.ShopName ='西堤牛排'~~

~~GROUP BY C.CityName~~

~~ORDER BY count~~

~~DESC LIMIT 0, 10;~~

~~SELECT COUNT(S.ShopName) AS count, C.CityName~~

~~FROM shopcomment AS SC, city AS C, shop AS S, ShopCity AS SCity~~

~~WHERE SCity.ShopID = S.ShopID~~

~~AND SCity.ShopID = SC.ShopID~~

~~AND SCity.CityID = C.CityID~~

~~AND S.ShopName ='西堤牛排'~~

~~GROUP BY SCity.CityID~~

~~ORDER BY count~~

~~DESC LIMIT 0, 10;~~

* 只有20家在上海???

| **count** |  | **CityName** |  |
| --- | --- | --- | --- |
| 20 |  | 上海 |  |

或是

~~SELECT COUNT(C.CityName) AS count, C.CityName~~

~~FROM shopcomment AS SC, city AS C, shop AS S, ShopCity AS SCity~~

~~WHERE SCity.ShopID = S.ShopID~~

~~AND SCity.ShopID = SC.ShopID~~

~~AND SCity.CityID = C.CityID~~

~~AND S.ShopName ='西堤牛排'~~

~~GROUP BY SCity.CityID~~

~~ORDER BY count~~

1. 列出大陸前十大總展店數最多的店家名稱與店數

提示 用shopname做統計 (不足20名有多少列多少)

SELECT shopname, COUNT(\*) as count

FROM shop as S

GROUP BY shopname

ORDER BY COUNT(\*) DESC

LIMIT 0, 10

~~SELECT S.ShopName , COUNT(S.ShopName) AS count~~

~~FROM shopcomment AS SC, city AS C, shop AS S, ShopCity AS SCity~~

~~WHERE SCity.ShopID = S.ShopID~~

~~AND SCity.ShopID = SC.ShopID~~

~~AND SCity.CityID = C.CityID~~

~~GROUP BY SCity.CityID~~

~~ORDER BY count~~

~~DESC LIMIT 0, 10;~~

| [**ShopName**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+S.ShopName+%2C+COUNT%28S.ShopName%29+AS+count%0AFROM+shopcomment+AS+SC%2C+city+AS+C%2C+shop+AS+S%2C+ShopCity+AS+SCity%0AWHERE+SCity.ShopID+%3D+S.ShopID%0AAND+SCity.ShopID+%3D+SC.ShopID%0AAND+SCity.CityID+%3D+C.CityID%0AGROUP+BY+SCity.CityID%0AORDER+BY+%60S%60.%60ShopName%60+ASC%0ALIMIT+0+%2C+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35) | [**count [遞減](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+S.ShopName+,+COUNT(S.ShopName)+AS+count%0aFROM+shopcomment+AS+SC,+city+AS+C,+shop+AS+S,+ShopCity+AS+SCity%0aWHERE+SCity.ShopID+%3D+S.ShopID%0aAND+SCity.ShopID+%3D+SC.ShopID%0aAND+SCity.CityID+%3D+C.CityID%0aGROUP+BY+SCity.CityID%0aORDER+BY+%60count%60++ASC%0aLIMIT+0+,+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35)**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shopcomment&sql_query=SELECT+S.ShopName+%2C+COUNT%28S.ShopName%29+AS+count%0AFROM+shopcomment+AS+SC%2C+city+AS+C%2C+shop+AS+S%2C+ShopCity+AS+SCity%0AWHERE+SCity.ShopID+%3D+S.ShopID%0AAND+SCity.ShopID+%3D+SC.ShopID%0AAND+SCity.CityID+%3D+C.CityID%0AGROUP+BY+SCity.CityID%0AORDER+BY+%60count%60++ASC%0ALIMIT+0+%2C+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35) |  |
| --- | --- | --- |
| 色味主义饼屋 | 973 |  |
| 鼎泰丰 | 788 |  |
| 牟传仁大连老菜馆 | 637 |  |
| 麻辣诱惑 | 571 |  |
| 小街风情意大利餐厅 | 413 |  |
| 阳光海岸自助百汇 | 346 |  |
| 聚炉烧日式餐厅 | 311 |  |
| 元太祖 | 296 |  |
| 同得兴 | 291 |  |
| 六千馆 | 274 |  |

1. 分別列出上海、北京前十大熱門討論菜系

提示 以dishname 做統計

還是comment數量前十

SELECT D.dishname, Count(\*) as count

FROM dish as D, shopdish as SD, shopcity as SC, city as C,

shopcomment as SCM

WHERE D.dishID = SD.dishID

AND SD.shopID = SC.shopID

AND SC.cityID = C.cityID

AND (C.cityname = '上海')

AND SCM.shopID = SD.shopID

GROUP BY D.dishname

ORDER BY COUNT(\*) DESC

LIMIT 0, 10

SELECT D.dishname, Count(\*) as count

FROM dish as D, shopdish as SD, shopcity as SC, city as C, shopcomment as SCM

WHERE D.dishID = SD.dishID

AND SD.shopID = SC.shopID

AND SC.cityID = C.cityID

AND (C.cityname = '北京')

AND SCM.shopID = SD.shopID

GROUP BY D.dishname

ORDER BY COUNT(\*) DESC

LIMIT 0, 10

是菜系餐館數排名前十:

上海:

SELECT D.DishName, COUNT(D.DishName) as count

FROM ShopDish as SD, Dish as D, Shop as S, ShopCity as SC, City as C

WHERE SD.DishID = D.DishID

AND S.ShopID = SC.ShopID

AND SD.ShopID = S.ShopID

AND SC.CityID = C.CityID

AND C.CityName ='上海'

GROUP BY DishName

ORDER BY count DESC

LIMIT 0, 10;

表單的頂端

[+ 選項](http://sqldb.demo.tornado.com.tw/phpmyadmin/#displayoptions)

表單的底部

|  | |
| --- | --- |
| [**DishName**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=ShopDish&sql_query=SELECT+D.DishName%2C+COUNT%28D.DishName%29+as+count%0A%09FROM+ShopDish+as+SD%2C+Dish+as+D%2C+Shop+as+S%2C+ShopCity+as+SC%2C+City+as+C%0A%09WHERE+SD.DishID+%3D+D.DishID%0A%09AND+S.ShopID+%3D+SC.ShopID%0A%09AND+SD.ShopID+%3D+S.ShopID%0A%09AND+SC.CityID+%3D+C.CityID%0A%09AND+C.CityName+%3D%27%E4%B8%8A%E6%B5%B7%27%0A%09GROUP+BY+DishName%0A%0AORDER+BY+%60D%60.%60DishName%60+ASC%09LIMIT+0+%2C+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35) | [**count [遞減](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=ShopDish&sql_query=SELECT+D.DishName,+COUNT(D.DishName)+as+count%0a%09FROM+ShopDish+as+SD,+Dish+as+D,+Shop+as+S,+ShopCity+as+SC,+City+as+C%0a%09WHERE+SD.DishID+%3D+D.DishID%0a%09AND+S.ShopID+%3D+SC.ShopID%0a%09AND+SD.ShopID+%3D+S.ShopID%0a%09AND+SC.CityID+%3D+C.CityID%0a%09AND+C.CityName+%3D'%E4%B8%8A%E6%B5%B7'%0a%09GROUP+BY+DishName%0a%0aORDER+BY+%60count%60++ASC%09LIMIT+0+,+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35)**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=ShopDish&sql_query=SELECT+D.DishName%2C+COUNT%28D.DishName%29+as+count%0A%09FROM+ShopDish+as+SD%2C+Dish+as+D%2C+Shop+as+S%2C+ShopCity+as+SC%2C+City+as+C%0A%09WHERE+SD.DishID+%3D+D.DishID%0A%09AND+S.ShopID+%3D+SC.ShopID%0A%09AND+SD.ShopID+%3D+S.ShopID%0A%09AND+SC.CityID+%3D+C.CityID%0A%09AND+C.CityName+%3D%27%E4%B8%8A%E6%B5%B7%27%0A%09GROUP+BY+DishName%0A%0AORDER+BY+%60count%60++ASC%09LIMIT+0+%2C+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35) |  |
| 日式自助 | 23 |  |
| 日本料理 | 18 |  |
| 湘菜 | 15 |  |
| 火锅 | 15 |  |
| 川菜 | 15 |  |
| 西式简餐 | 12 |  |
| 本帮菜 | 11 |  |
| 自助餐 | 10 |  |
| 港台甜品 | 8 |  |
| 西式甜点 | 7 |  |

北京:

SELECT D.DishName, COUNT(D.DishName) as count

FROM ShopDish as SD, Dish as D, Shop as S, ShopCity as SC, City as C

WHERE SD.DishID = D.DishID

AND S.ShopID = SC.ShopID

AND SD.ShopID = S.ShopID

AND SC.CityID = C.CityID

AND C.CityName ='北京'

GROUP BY DishName

ORDER BY count DESC

LIMIT 0, 10;

|  | |
| --- | --- |
| [**DishName**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=ShopDish&sql_query=SELECT+D.DishName%2C+COUNT%28D.DishName%29+as+count%0A%09FROM+ShopDish+as+SD%2C+Dish+as+D%2C+Shop+as+S%2C+ShopCity+as+SC%2C+City+as+C%0A%09WHERE+SD.DishID+%3D+D.DishID%0A%09AND+S.ShopID+%3D+SC.ShopID%0A%09AND+SD.ShopID+%3D+S.ShopID%0A%09AND+SC.CityID+%3D+C.CityID%0A%09AND+C.CityName+%3D%27%E5%8C%97%E4%BA%AC%27%0A%09GROUP+BY+DishName%0A%0AORDER+BY+%60D%60.%60DishName%60+ASC%09LIMIT+0+%2C+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35) | [**count [遞減](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=ShopDish&sql_query=SELECT+D.DishName,+COUNT(D.DishName)+as+count%0a%09FROM+ShopDish+as+SD,+Dish+as+D,+Shop+as+S,+ShopCity+as+SC,+City+as+C%0a%09WHERE+SD.DishID+%3D+D.DishID%0a%09AND+S.ShopID+%3D+SC.ShopID%0a%09AND+SD.ShopID+%3D+S.ShopID%0a%09AND+SC.CityID+%3D+C.CityID%0a%09AND+C.CityName+%3D'%E5%8C%97%E4%BA%AC'%0a%09GROUP+BY+DishName%0a%0aORDER+BY+%60count%60++ASC%09LIMIT+0+,+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35)**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=ShopDish&sql_query=SELECT+D.DishName%2C+COUNT%28D.DishName%29+as+count%0A%09FROM+ShopDish+as+SD%2C+Dish+as+D%2C+Shop+as+S%2C+ShopCity+as+SC%2C+City+as+C%0A%09WHERE+SD.DishID+%3D+D.DishID%0A%09AND+S.ShopID+%3D+SC.ShopID%0A%09AND+SD.ShopID+%3D+S.ShopID%0A%09AND+SC.CityID+%3D+C.CityID%0A%09AND+C.CityName+%3D%27%E5%8C%97%E4%BA%AC%27%0A%09GROUP+BY+DishName%0A%0AORDER+BY+%60count%60++ASC%09LIMIT+0+%2C+10&session_max_rows=25&token=b2edd7f48c55257bb90acae56905bd35) |  |
| 日式自助 | 17 |  |
| 家常菜 | 16 |  |
| 自助餐 | 11 |  |
| 川菜 | 9 |  |
| 新疆/清真 | 8 |  |
| 创意菜 | 8 |  |
| 法国菜 | 8 |  |
| 北京菜 | 6 |  |
| 小吃 | 5 |  |
| 比萨 | 4 |  |

1. 列出上海的川菜餐廳中，評分總分最好與最差前20名提示

以下列公式為總分

SELECT S.shopname, D.dishname, C.cityname, (S.CommentMagnitude + S.CommentTaste + S.CommentEnvironment + S.CommentService) as total

FROM shop as S, shopdish as SD, dish as D, shopcity as SC, city as C

 WHERE S.shopID = SD.shopID

AND SD.dishID = D.dishID

AND S.shopID = SC.shopID

AND SC.cityID = C.cityID

AND C.cityname = '上海'

AND D.dishname = '川菜'

ORDER BY total DESC

LIMIT 0, 20;

SELECT S.shopname, D.dishname, C.cityname, (S.CommentMagnitude + S.CommentTaste + S.CommentEnvironment + S.CommentService) as total

FROM shop as S, shopdish as SD, dish as D, shopcity as SC, city as C

WHERE S.shopID = SD.shopID

AND SD.dishID = D.dishID

AND S.shopID = SC.shopID

AND SC.cityID = C.cityID

AND C.cityname = '上海'

AND D.dishname = '川菜'

ORDER BY total DESC

LIMIT 0, 20;

表單的頂端

[+ 選項](http://sqldb.demo.tornado.com.tw/phpmyadmin/index.php?token=24885fe386b8fbaa315d467476e5040f#displayoptions)

表單的底部

|  | | | |
| --- | --- | --- | --- |
| [**shopname**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shop&sql_query=SELECT+S.shopname%2C+D.dishname%2C+C.cityname%2C+%28S.CommentMagnitude+%2B+S.CommentTaste+%2B+S.CommentEnvironment+%2B+S.CommentService%29+as+total+%0A%09FROM+shop+as+S%2C+shopdish+as+SD%2C+dish+as+D%2C+shopcity+as+SC%2C+city+as+C+%0A++++WHERE+S.shopID+%3D+SD.shopID+%0A++++AND+SD.dishID+%3D+D.dishID+%0A++++AND+S.shopID+%3D+SC.shopID+%0A++++AND+SC.cityID+%3D+C.cityID+%0A++++AND+C.cityname+%3D+%27%E4%B8%8A%E6%B5%B7%27+%0A++++AND+D.dishname+%3D+%27%E5%B7%9D%E8%8F%9C%27+%0A+++%0AORDER+BY+%60S%60.%60ShopName%60+ASC+LIMIT+0+%2C+20&session_max_rows=25&token=24885fe386b8fbaa315d467476e5040f) | [**dishname**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shop&sql_query=SELECT+S.shopname%2C+D.dishname%2C+C.cityname%2C+%28S.CommentMagnitude+%2B+S.CommentTaste+%2B+S.CommentEnvironment+%2B+S.CommentService%29+as+total+%0A%09FROM+shop+as+S%2C+shopdish+as+SD%2C+dish+as+D%2C+shopcity+as+SC%2C+city+as+C+%0A++++WHERE+S.shopID+%3D+SD.shopID+%0A++++AND+SD.dishID+%3D+D.dishID+%0A++++AND+S.shopID+%3D+SC.shopID+%0A++++AND+SC.cityID+%3D+C.cityID+%0A++++AND+C.cityname+%3D+%27%E4%B8%8A%E6%B5%B7%27+%0A++++AND+D.dishname+%3D+%27%E5%B7%9D%E8%8F%9C%27+%0A+++%0AORDER+BY+%60D%60.%60DishName%60+ASC+LIMIT+0+%2C+20&session_max_rows=25&token=24885fe386b8fbaa315d467476e5040f) | [**cityname**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shop&sql_query=SELECT+S.shopname%2C+D.dishname%2C+C.cityname%2C+%28S.CommentMagnitude+%2B+S.CommentTaste+%2B+S.CommentEnvironment+%2B+S.CommentService%29+as+total+%0A%09FROM+shop+as+S%2C+shopdish+as+SD%2C+dish+as+D%2C+shopcity+as+SC%2C+city+as+C+%0A++++WHERE+S.shopID+%3D+SD.shopID+%0A++++AND+SD.dishID+%3D+D.dishID+%0A++++AND+S.shopID+%3D+SC.shopID+%0A++++AND+SC.cityID+%3D+C.cityID+%0A++++AND+C.cityname+%3D+%27%E4%B8%8A%E6%B5%B7%27+%0A++++AND+D.dishname+%3D+%27%E5%B7%9D%E8%8F%9C%27+%0A+++%0AORDER+BY+%60C%60.%60CityName%60+ASC+LIMIT+0+%2C+20&session_max_rows=25&token=24885fe386b8fbaa315d467476e5040f) | [**total [遞增](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shop&sql_query=SELECT+S.shopname,+D.dishname,+C.cityname,+(S.CommentMagnitude+%2B+S.CommentTaste+%2B+S.CommentEnvironment+%2B+S.CommentService)+as+total+%0a%09FROM+shop+as+S,+shopdish+as+SD,+dish+as+D,+shopcity+as+SC,+city+as+C+%0a++++WHERE+S.shopID+%3D+SD.shopID+%0a++++AND+SD.dishID+%3D+D.dishID+%0a++++AND+S.shopID+%3D+SC.shopID+%0a++++AND+SC.cityID+%3D+C.cityID+%0a++++AND+C.cityname+%3D+'%E4%B8%8A%E6%B5%B7'+%0a++++AND+D.dishname+%3D+'%E5%B7%9D%E8%8F%9C'+%0a+++%0aORDER+BY+%60total%60++DESC+LIMIT+0+,+20&session_max_rows=25&token=24885fe386b8fbaa315d467476e5040f)**](http://sqldb.demo.tornado.com.tw/phpmyadmin/sql.php?db=shop&table=shop&sql_query=SELECT+S.shopname%2C+D.dishname%2C+C.cityname%2C+%28S.CommentMagnitude+%2B+S.CommentTaste+%2B+S.CommentEnvironment+%2B+S.CommentService%29+as+total+%0A%09FROM+shop+as+S%2C+shopdish+as+SD%2C+dish+as+D%2C+shopcity+as+SC%2C+city+as+C+%0A++++WHERE+S.shopID+%3D+SD.shopID+%0A++++AND+SD.dishID+%3D+D.dishID+%0A++++AND+S.shopID+%3D+SC.shopID+%0A++++AND+SC.cityID+%3D+C.cityID+%0A++++AND+C.cityname+%3D+%27%E4%B8%8A%E6%B5%B7%27+%0A++++AND+D.dishname+%3D+%27%E5%B7%9D%E8%8F%9C%27+%0A+++%0AORDER+BY+%60total%60++DESC+LIMIT+0+%2C+20&session_max_rows=25&token=24885fe386b8fbaa315d467476e5040f) |  |
| 蜀留香冷锅鱼 | 川菜 | 上海 | 182 |  |
| 靓鱼帅兔 | 川菜 | 上海 | 186 |  |
| 辛香汇 | 川菜 | 上海 | 189 |  |
| 外婆家 | 川菜 | 上海 | 192 |  |
| 江边城外巫山烤全鱼 | 川菜 | 上海 | 205 |  |
| 天辣绿色时尚餐厅 | 川菜 | 上海 | 212 |  |
| 红日酒店 | 川菜 | 上海 | 212 |  |
| 江边城外巫山烤全鱼 | 川菜 | 上海 | 215 |  |
| 重庆鸡公煲 | 川菜 | 上海 | 237 |  |
| 小肥羊 | 川菜 | 上海 | 238 |  |
| 鼎丰人家 | 川菜 | 上海 | 239 |  |
| 唐朝大酒店 | 川菜 | 上海 | 257 |  |
| 红辣椒 | 川菜 | 上海 | 259 |  |
| 小巴辣子川湘菜餐厅 | 川菜 | 上海 | 279 |  |
| 红辣椒 | 川菜 | 上海 | 285 |  |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Not finished yet\*\*\*\*\*\*\*\*

上海的川菜餐廳中，評分總分最好前20名

~~SELECT S.ShopName , (SCom.CommentMagnitude + SCom.CommentTaste + SCom.CommentEnvironment + SCom.CommentService) as total~~

~~FROM ShopDish as SD, Dish as D, Shop as S, ShopCity as SC, City as C, ShopComment AS SCom~~

~~WHERE SD.DishID = D.DishID~~

~~AND S.ShopID = SC.ShopID~~

~~AND S.ShopID = SCom.ShopID~~

~~AND SC.CityID = C.CityID~~

~~AND C.CityName = '上海'~~

~~AND D.DishName = '川菜'~~

~~GROUP BY D.DishID~~

~~ORDER BY total DESC~~

~~LIMIT 0, 10;~~

~~SELECT D.DishName, COUNT(D.DishName) as count~~

~~FROM ShopDish as SD, Dish as D, Shop as S, ShopCity as SC, City as C~~

~~WHERE SD.DishID = D.DishID~~

~~AND S.ShopID = SC.ShopID~~

~~AND SD.ShopID = S.ShopID~~

~~AND SC.CityID = C.CityID~~

~~AND C.CityName ='上海'~~

~~GROUP BY DishName~~

~~ORDER BY count DESC~~

~~LIMIT 0, 20;~~

上海的川菜餐廳中，評分總分最差前20名

1. 做出以城市>地區>菜系對應人均單價的樞紐分析