# SQL Test Assignment

\*\*— Test Starts Here —\*\*

1. Select users whose id is either 3,2 or 4

- Please return at least: all user fields

**SELECT \* FROM users WHERE id IN (2,3,4);**

2. Count how many basic and premium listings each active user has

- Please return at least: first\_name, last\_name, basic, premium

**SELECT first\_name, last\_name, sum(case when listings.status = 2 then listings.status else 0 end) as basic, sum(case when listings.status = 3 then listings.status else 0 end) as premium FROM users join listings on users.id = listings.user\_id where users.status = 2 GROUP BY users.first\_name , users.last\_name**

3. Show the same count as before but only if they have at least ONE premium listing

- Please return at least: first\_name, last\_name, basic, premium

**SELECT first\_name, last\_name, sum(case when listings.status = 2 then listings.status else 0 end) as basic, sum(case when listings.status = 3 then listings.status else 0 end) as premium FROM users join listings on users.id = listings.user\_id where users.status = 2 GROUP BY users.first\_name , users.last\_name having sum(case when listings.status = 3 then listings.status else 0 end) > 0**

4. How much revenue has each active vendor made in 2013

- Please return at least: first\_name, last\_name, currency, revenue

**select u.first\_name, u.last\_name , c.currency, sum(c.price) as revenue from users u inner join listings l on u.id = l.id inner join clicks c on u.id = c.listing\_id group by u.id,u.first\_name,u.last\_name, c.created,u.status,c.currency having u.status =2 and YEAR(c.created) = '2013'**

5. Insert a new click for listing id 3, at $4.00

- Find out the id of this new click. Please return at least: id

**INSERT INTO clicks (listing\_id, price, currency,created) VALUES (3,4.00,'USD','2013-09-15 16:18:43');**

**SELECT LAST\_INSERT\_ID()**

6. Show listings that have not received a click in 2013

- Please return at least: listing\_name

**SELECT distinct listings.name as listing\_name FROM Click join listings on listings.id = Clicks.listing\_id where YEAR(Clicks.created) != '2013'**

7. For each year show number of listings clicked and number of vendors who owned these listings

- Please return at least: date, total\_listings\_clicked, total\_vendors\_affected

**Select YEAR(c.created) as date ,count(c.listing\_id) as total\_listings\_clicked, count(distinct(l.user\_id)) as total\_vendors\_affected from listings l inner join clicks c on l.id = c.listing\_id inner join users u on u.id = l.user\_id group by c.created**

8. Return a comma separated string of listing names for all active vendors

- Please return at least: first\_name, last\_name, listing\_names

**Select users.first\_name,users.last\_name, GROUP\_CONCAT(listings.name) from users JOIN listings on users.Id = listings.user\_Id where users.status = 2 GROUP BY users.first\_name , users.last\_name**