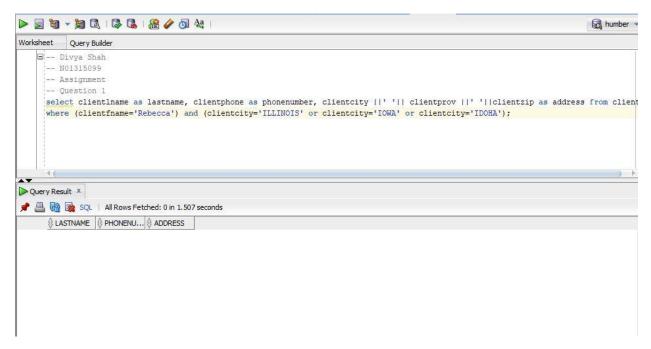
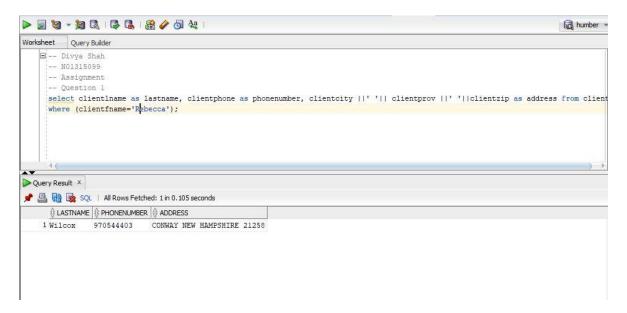
Assignment 1- Batch A N01315099 Divya Shah

Q1

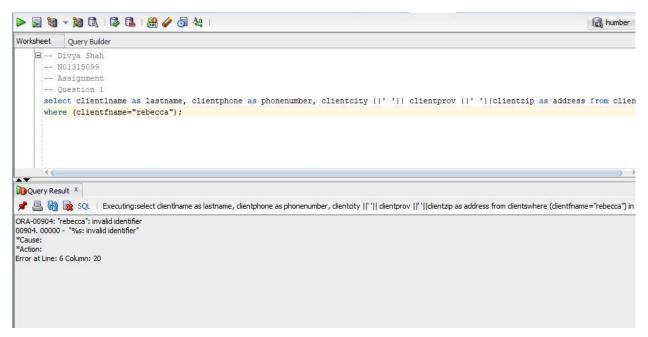
We're looking for the phone number, full address, and last name of a client named rebecca. She's either from ILLINOIS, IDAHO, or IOWA, I can't remember



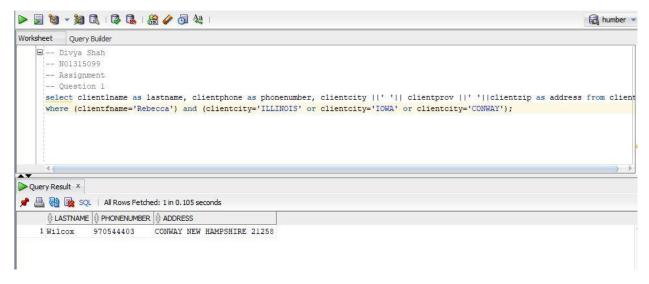
Code: select clientIname as lastname, clientphone as phonenumber, clientcity | | ' | | clientprov | | ' | | clientzip as address from clients where (clientfname='Rebecca') and (clientcity='ILLINOIS' or clientcity='IOWA' or clientcity='IDOHA');



Checked the whole table but only have one Rebecca in New Hamsphire



Error code: where (clientfname="Rebecca"); instead of (clientfname='Rebecca'); // also its case sensitive



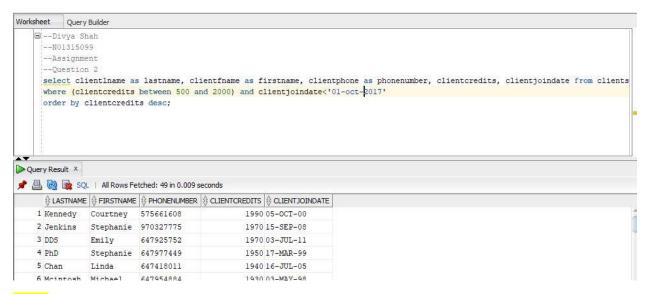
Works if we add clientcity='CONWAY'

Also can use

Where (clientlname='rebecca') and (clientcity in 'ILLINOIS' 'IDOHA', 'IOWA');

Q2

I'd like to call some clients about their point total. Show me the last name, firstname, and phone number of clients with credits between 500 and 2000 who joined before October 2017. Order the list from highest points to lowest points first.



Notes:

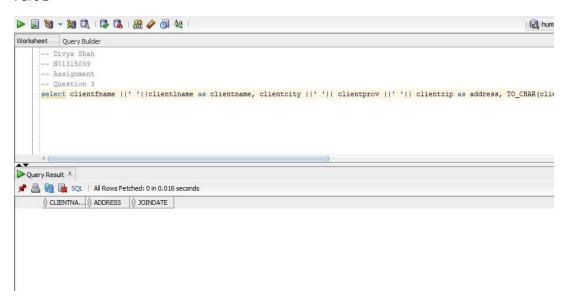
Used code

where (clientcredits>500 and clientcredits<2000) and clientjoindate<'01-oct-2017' order by clientcredits desc;

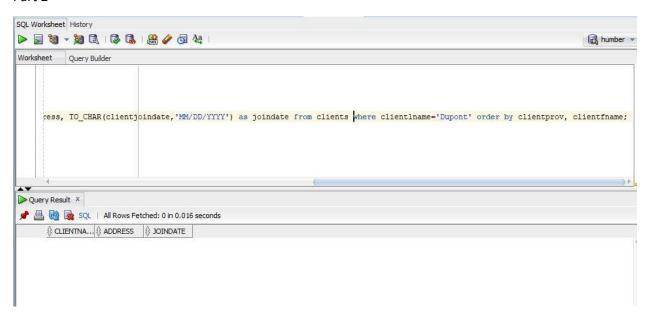
Q3

Find me all the clients from the dupont family, order the results by province first then by first name. We need the full name, the address, and the join date (formatted with MM/DD/YYYY)

Part 1



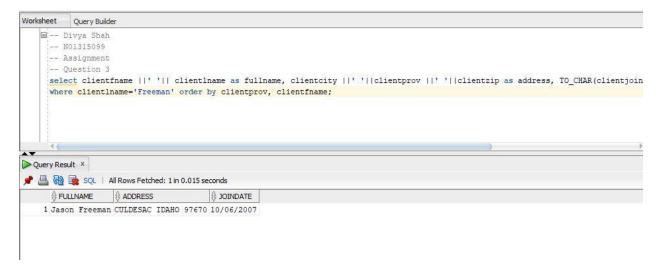
Part 2



Code: select clientfname ||'||clientlname as clientname, clientcity ||'|| clientprov ||'|| clientzip as address, TO_CHAR(clientjoindate, 'MM/DD/YYYY') as joindate from clients where clientlname='Dupont' order by clientprov, clientfname;

Notes:

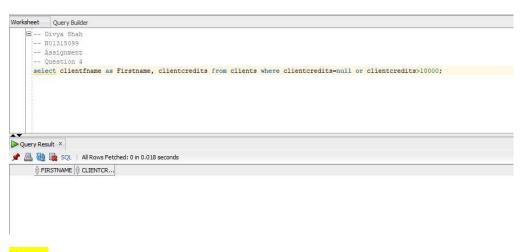
There were no one from Dupont family so tried with Freeman as clientlname



Q4

We believe there has been a glitch in the system with our credits. Find all the clients with credits that are null or over 10000. List all client information like this.

Answer:



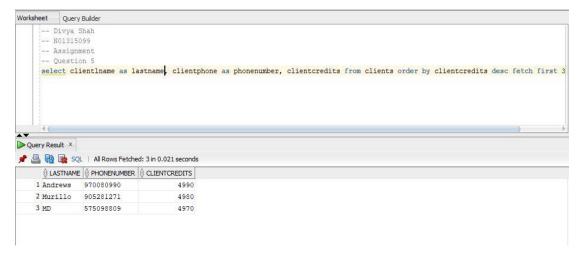


Code :select clientfname, clientcredits from clients where clientcredits>1000;

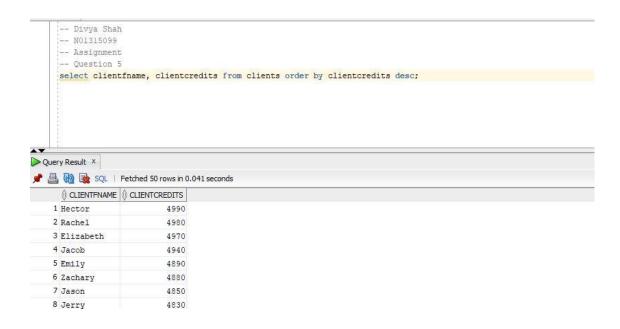
Checked the DB couldn't find any credit limit greater than 10000 or equal to 1000

Q5

Find the top 3 clients with the most credits. I want to see their last name, phone number, and credits.

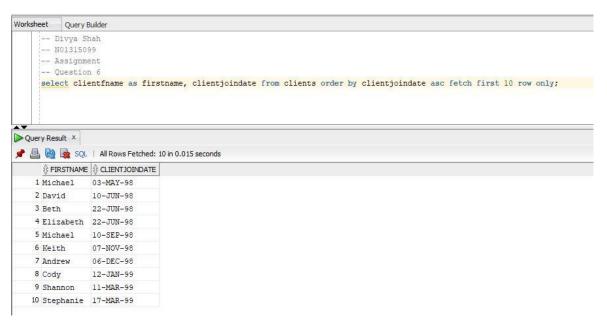


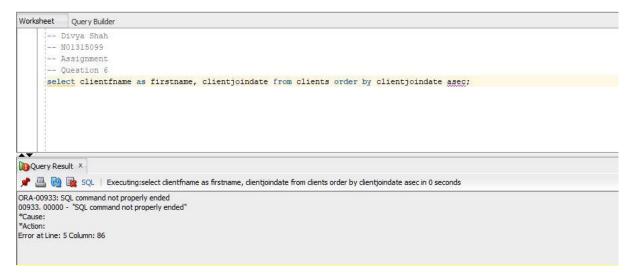
Code: select clientlname as lastname, clientphone as phonenumber, clientcredits from clients order by clientcredits desc fetch first 3 rows only;



Q6

Find the 10 clients who have the oldest accounts with us.



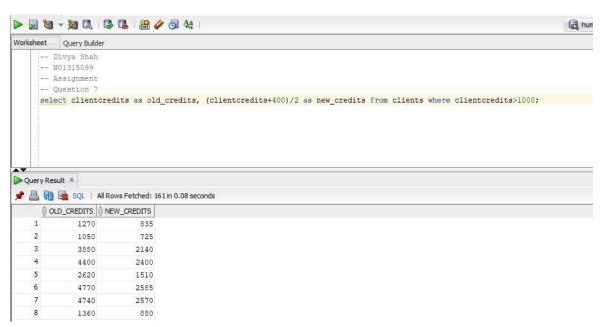


Code mistake: select clientfname as firstname, clientjoindate Order by clientjoindate asec;

Q7

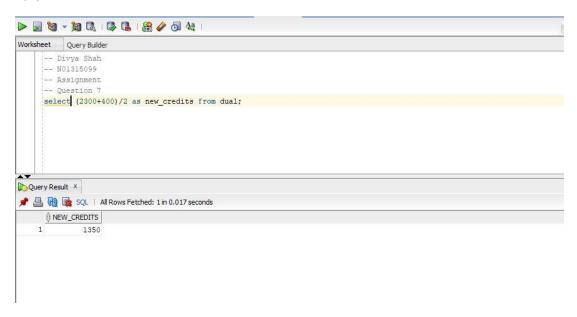
We are considering a new formula for our credits. Our new credits formula will add 400 and then divide by 2. Write a select statement with columns new_credits, old_credits. Show all records where the old credits is over 1000. Use the dual table to show an example of this formula applied when the clientcredits is 2300.

Part 1:



select clientcredits as old_credits, (clientcredits+400)/2 as new_credits from clients where clientcredits>1000;

Part 2:

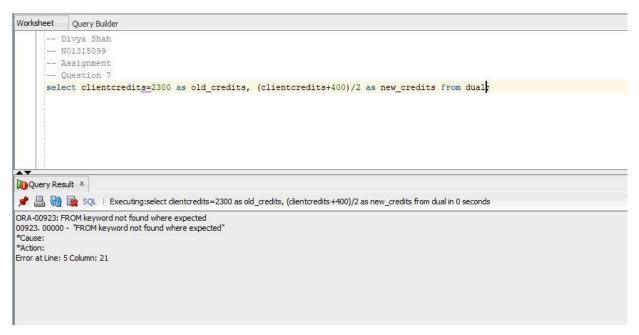


select (2300+400)/2 as new_credits from dual;

Notes:

ERROR for dual table:

- 1. select clientcredits=2300 as old credits, (clientcredits+400)/2 as new credits from dual;
- 2. select clientcredit('2300'), (clientcredits+400)/2 as new_credits from dual;



Query: Still don't know whether we can assign a value in dual table or not.

Q8

Find all clients who have joined within 14 days of the current date. (using sysdate). Organize the name so it's "lastname, firstname". Order by most recent first.

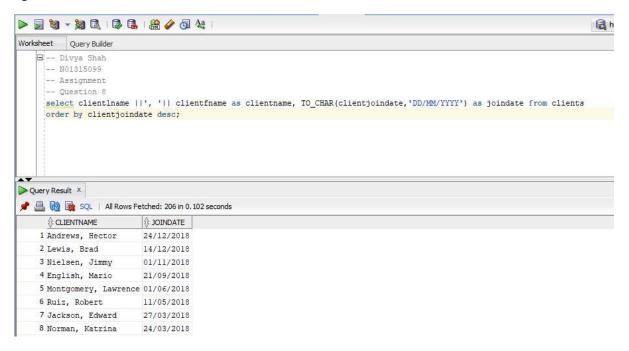


Code: select clientlname | |', ' | | clientfname as clientname, TO_CHAR(clientjoindate, 'DD/MM/YYYY') as joindate from clients where clientjoindate < SYSDATE-14 order by clientjoindate desc;



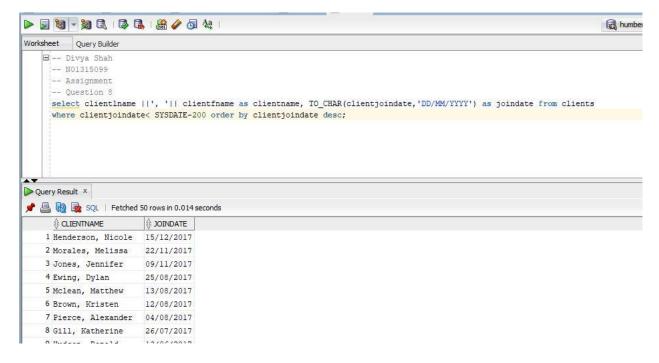
Checking the code without where statement it also had values after the current sysdate. Fetched only says 50 rows in 0.0012 second but as soon as we scroll down it adds more.

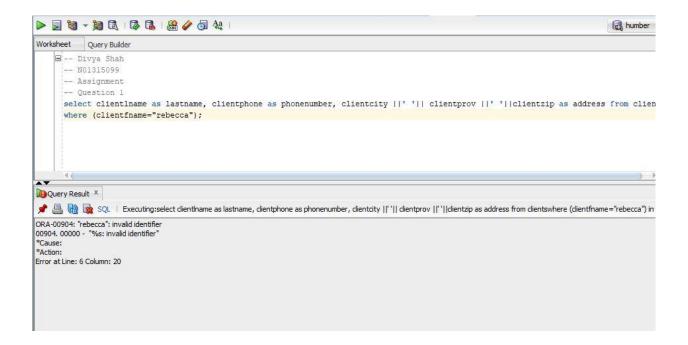
Eg.



14 days before current date didn't change anything so tried with

Where clientjoindate< SYSDATE-200 which removed anyone 200 days before current date.

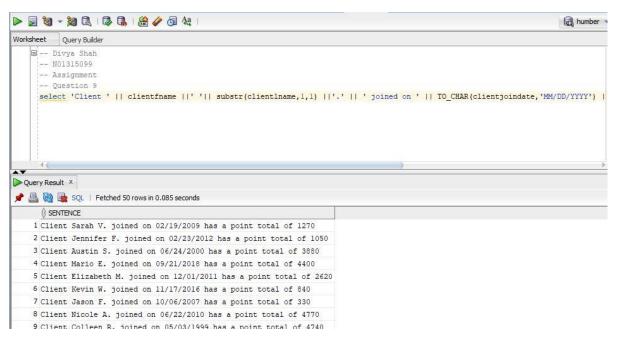




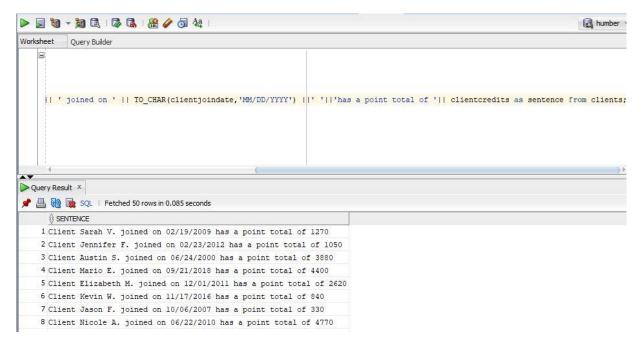
Q9

Print out a list of sentences where each sentence is about a client. The sentence structure will be like "Client x joined on y and has a point total of z". Where x is the first name and last name initial (using substr function), y is the printed version of the date (using to_char function) and point total

Part 1:

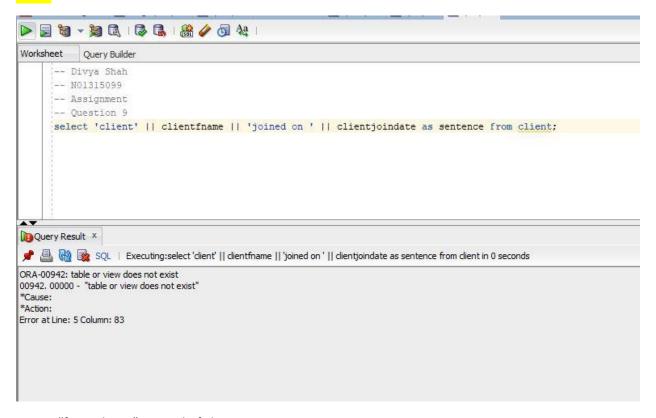


Part 2:



Code: select 'Client ' || clientfname ||' '|| substr(clientlname,1,1) ||'.' || ' joined on ' || TO_CHAR(clientjoindate,'MM/DD/YYYY') ||' '||'has a point total of '|| clientcredits as sentence from clients;

Notes:



Wrote "from client;" instead of clients

Half code:

select 'Client ' || clientfname || ' '|| substr(clientlname,1,1) || ' joined on ' || TO_CHAR (clientjoindate, 'MM/DD/YYYY') as sentence from clients;

Q10

Include a copy of notes taken during your lectures and labs. If you are just taking a picture of your notes, make sure that they are clear and legible.

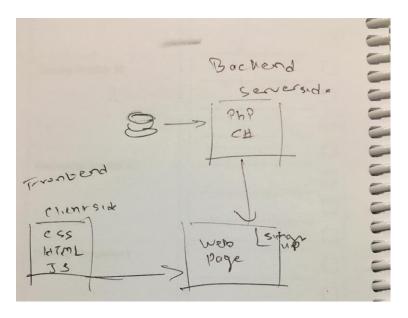
Excel

- less strict
- Redundant

DB

- strict
- oracle
- Sql

Common - Cols and rows



To run query Entr+Ctrl

To run script f5

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	Divya Shah	
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1		

Function:

Substr(string,position,string_length)

Eg Substr(clientlname,1,1)

Output: Divya S

TO_CHAR:

Select TO_CHAR(clientjoindate,'MM/DD/YYYY')

Output: 02/11/2009

<u>**Dual Table**</u>—To test functions and mathematical operations

select SYSDATE from dual;

Top 5 recent clients:

Select clientfname, clientcredits, clientjoindate from clients where clientcredits>300 order by clientjoindate desc fetch first 5 rows only;

Where clientcredits<4000 and clientfname like 'J%'; (to find clients whose credit is smaller than 4000 and first name starts with 'J')