**Thank you for applying to our React JS Developer position!**

Please submit all answers by email to [dbncjobs@gmail.com](mailto:dbncjobs@gmail.com) along with your name and the best phone number to reach you at. The best way to submit your work is by creating a public github repo and sharing the link to the repo with us. There are five questions in this quiz, please answer all of them.

1. Write a react function that takes the following input:

rooms = [

{ room\_type: "Queen", vacant\_rooms: 5, price: 100 },

{ room\_type: "Double", vacant\_rooms: 3, price: 75 },

{ room\_type: "Twin", vacant\_rooms: 8, price: 60 }

];

And produces the following output:

<ol><li>Queen, 5, $100</li><li>Double, 3, $75</li><li>Twin, 8, $60</li></ol>

2. Write a function in Javascript, which receives NUMBER and has the next logic:

a) it prints "foo" if NUMBER is divisible by 2;

b) it prints "bar" if NUMBER is divisible by 7;

c) it prints "foobar" if NUMBER is divisible by 14;

d) it prints NUMBER value for other cases;

note: NUMBER is a positive integer number;

3. Let's say you have a file with a following structure:

"id,name,value

1,Dan,150

2,Peter,300

3,Mark,400

4,Victor,600"

Write a function in node.js that reads this file and returns the number, which is a sum of all "value" numbers from the file;

4. Refactor the code below.

(do not create functions or constants, code refactor is required only)

if (province == 'ONTARIO') {

rate = ONTARIO\_RATE;

amt = base \* ONTARIO\_RATE;

calc = 2 \* basis(amt) + extra(amt) \* 1.05;

} else if ((province == 'QUEBEC') || (province == 'ALBERTA')) {

rate = (province == 'QUEBEC') ? QUEBEC\_RATE : ALBERTA\_RATE;

amt = base \* rate;

calc = 2 \* basis(amt) + extra(amt) \* 1.05;

if (province == 'QUEBEC') {

points = 2;

}

} else {

rate = 1;

amt = base;

calc = 2 \* basis(amt) + extra(amt) \* 1.05;

}

5. Write a small react or react native app that uses this weather api:

<https://www.metaweather.com/api/> \*

Your app should allow the user to search for a city and see that day's forecast.

Styling is not important, you can use default browser styles.

\*Note: some people have reported that this API does not have CORS enabled on their server, in this case if you are having difficulty with CORS you can launch chrome with CORS disabled: <https://stackoverflow.com/questions/3102819/disable-same-origin-policy-in-chrome> or you can select a different API of your preference: <https://rapidapi.com/category/Weather>