Back-end Node.js
Simple Database querying
Terdapat sebuah table "USER" yg memiliki 3 kolom: ID, UserName, Parent. Di mana
Kolom ID adalah Primary Key
Kolom UserName adalah Nama User
Kolom Parent adalah ID dari User yang menjadi Creator untuk User tertentu.
eg.
ID UserName Parent
1 Ali
2 Budi 0
3 Cecep 1
Tuliskan SQL Query untuk mendapatkan data berisi:
ID UserName ParentUserName
1 Ali
2 Budi NULL
3 Cecep Ali
*Kolom ParentUserName adalah UserName berdasarkan value Parent
2. Please write a small ExpressJS server to search movies from http://www.omdbapi.com/

- Have 2 endpoint named "/search" with GET method and "/detail" with GET method

The Backend should:

(single movie detail)

- Each API calls should be logged into a MySQL table, specifying DateTime, API endpoint getting called and the parameters passed
- Contain access credential to call the API as such :

Key: "faf7e5bb&s"

URL: http://www.omdbapi.com/

* Example url call to search is --> GET

http://www.omdbapi.com/?apikey=faf7e5bb&s=Batman&page=2

- Be written in ExpressJS framework

Important aspects:

- Readability of code
- Good display on the knowledge of "Separation of Concerns for Codes"
- Write unit tests on some of the important files. Bigger plus points for complete unit test cases
- Good use of asynchronousy

Plus points:

- Deploy your result to a public URL so we can check the result
- Implementation of Clean Architecture is a BIG plus
- Complete Unit tests

indexClosingBracketFound);

3. Please refactor the code below to make it more concise, efficient and readable with good logic flow.

```
function findFirstStringInBracket(str){
    if(str.length > 0){
        let indexFirstBracketFound = str.indexOf("(");
        if(indexFirstBracketFound >= 0){
            let wordsAfterFirstBracket = str.substr( indexFirstBracketFound );
            if(wordsAfterFirstBracket){
                  wordsAfterFirstBracket = wordsAfterFirstBracket.substr(1);
            let indexClosingBracketFound = wordsAfterFirstBracket.indexOf(")");
            if(indexClosingBracketFound >= 0){
                  return wordsAfterFirstBracket.substring(0,
```

```
 else{
    return ";
    }
    }else{
    return ";
    }
}else{
    return ";
    }
}else{
    return ";
    }
}else{
    return ";
    }
}
```

4. Logic Test

Anagram adalah istilah dimana suatu string jika dibolak balik ordernya maka akan sama eg. 'aku' dan 'kua' adalah Anagram, 'aku' dan 'aka' bukan Anagram.

Dibawah ini ada array berisi sederetan Strings.

```
['kita', 'atik', 'tika', 'aku', 'kia', 'makan', 'kua']
```

Silahkan kelompokkan/group kata-kata di dalamnya sesuai dengan kelompok Anagramnya,

Catatan: tidak boleh menggunakan syntax es6 map, reduce, find, filter

```
# Expected Outputs

[
    ["kita", "atik", "tika"],
    ["aku", "kua"],
    ["makan"],
    ["kia"]
]
```