HW 3

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Description

Assuming that you have a mongo database called “msds697” and a collection called “business”, complete the hw3.js. (You can import the given “business.json” for this assumption, but do not include the mongoimport command in the code.)

1) For all grades not equal to "Not Yet Graded", return the min and max value in a format of
```
{
   "min" : NumberInt(val1),
   "max" : NumberInt(val2)
}.
```
```
{ "min" : -1, "max" : 131 }
```
(1 pt)

2) Return the 5 most frequent cuisines and its count in the business collection in descending order. (1.5 pt)
```
{ "count" : 6183, "cuisine" : "American " }
{ "count" : 2418, "cuisine" : "Chinese" }
{ "count" : 1214, "cuisine" : "Café/Coffee/Tea" }
{ "count" : 1163, "cuisine" : "Pizza" }
{ "count" : 1069, "cuisine" : "Italian" }
```

3) Return the name of the business with the most locations (addresses) with count. Include "address_list" which includes a list of "address" sorted by zipcode, street, building and coord (all in string - no need to convert to integer). (2 pt)
Ex. "building" : "7" > "building" : "247" in ascending order.
```
{
  "address_list" : [
    …,
    {
        "building" : "250",
        "coord" : [
          -74.0032124,
          40.7485943
        ],
        "street" : "10Th Ave",
        "zipcode" : "10001"
    }
    ,
```

```
    {
        "building" : "401",
        "coord" : [
          -73.99564099999999,
          40.749688
        ],
        "street" : "8 Avenue",
        "zipcode" : "10001"
      }
    ,…],
    "count" : 421,
   "name" : "Subway"
 }
```


4) Return the 5 most frequent dates and the corresponding counts in "grades". (2 pt)


```
{ "count" : 524, "date" : ISODate("2015-01-20T00:00:00Z") }
{ "count" : 244, "date" : ISODate("2014-06-26T00:00:00Z") }
{ "count" : 233, "date" : ISODate("2014-06-25T00:00:00Z") }
{ "count" : 214, "date" : ISODate("2014-04-02T00:00:00Z") }
{ "count" : 190, "date" : ISODate("2014-06-24T00:00:00Z") }
```


Submit the hw3.js file (**ONLY**)- the name of your file should be **hw3_Lastname_Firstname.js .**

If you run `mongo < hw3.js > output,` the output should be same as the given output file except for the first 4 lines. (or system output)
Make sure the indentation and format are the same as the provided output.

Note : Make sure to keep the given codes in your .js file and works with **Mongo v.4.0**. (0.5 pt)

Reference : https://docs.mongodb.com/v4.0/reference/operator/aggregation/