Final Exam

Final: Question 4

Problem:

`$facet` is an aggregation stage that allows for sub-pipelines to be executed.

```
                                              📋 COPY

var pipeline = [
  {
    $match: { a: { $type: "int" } }
  },
  {
    $project: {
      _id: 0,
      a_times_b: { $multiply: ["$a", "$b"] }
    }
  },
  {
    $facet: {
      facet_1: [{ $sortByCount: "a_times_b" }],
      facet_2: [{ $project: { abs_facet1: { $abs: "$facet_1._id"
} } }],
      facet_3: [
        {
          $facet: {
            facet_3_1: [{ $bucketAuto: { groupBy: "$_id",
buckets: 2 } }]
          }
        }
      ]
    }
  }
]
```

In the above pipeline, which uses `$facet`, there are some incorrect stages or/and expressions being used.

Which of the following statements point out errors in the pipeline?

Attempts Remaining: **Correct Answer** ✅ ⚪ ⚪

Check all answers that apply:

☐ `$sortByCount` cannot be used within `$facet` stage.

☑ `facet_2` uses the output of a parallel sub-pipeline, `facet_1`, to compute an expression

☑ can not nest a `$facet` stage as a sub-pipeline.

☐ a `$multiply` expression takes a document as input, not an array.

☐ a `$type` expression does not take a string as its value; only the BSON numeric values can be specified to identify the types.

See detailed answer

Proceed to next section

Assignment is Due

13d:05hr:15m
Dec 17, 17:00 UTC

Your Grade

PASS/FAIL
Submitted