H&M Dataset functions

Part II (h_and_m.csv)

1- RedandOrange:

```
exports = function(){
  var collection = context.services.get("mongodb-atlas").db("HandM").collection("H_M");
    return collection.aggregate([{$project: {_id: 0, product_type_name:
1,perceived_colour_master_name: 1}},
    {$match: {perceived_colour_master_name: { $in: ['Red','Orange']}}}])};
```

2- CaseInsensitive:

```
exports = function(index, color){
    var collection = context.services.get("mongodb-atlas").db("HandM").collection("H_M");
    let results = collection.find({
       "index_group_name":{$regex:(index) , '$options' : 'i'},
       "colour_group_name":{$regex:(color) , '$options' : 'i'}
    });
    return results;

};
```

3- PriceRange:

```
exports = function(productType, colourGroup, [...priceRang]){
 var collection = context.services.get("mongodb-atlas").db("HandM").collection("H_M");
 let pp = "Vest top";
 let cc = "Black";
 let nn = [90,200];
 let results = collection.find({
        "product_type_name":{$regex:(productType) , '$options' : 'i'},
        "colour_group_name":{$regex:(colourGroup) , '$options' : 'i'},
```

```
        "price":{$gt:priceRang[0], $lt:priceRang[1]}
    },{
      "product_type_name":1,
      "colour_group_name":1,
      "price":1,
      "department_name":1,
      "discount_%":1,
      _id:0
    });
    return results;
}
```

4- DiscountPrice:

```
exports = function(){
    var collection = context.services.get("mongodb-atlas").db("HandM").collection("H_M");
    return collection.aggregate([{
 $project: {  id: 0,detail_desc: 1,price: 1,'discount%': 1,prod_name: 1,product_type_name:
1,article_id: 1,discount: {$divide: ['$discount_%',100]  }}}, {
 $project: {
  discount: 1,
  price: 1,
  Disc_amount: {
   $multiply: ['$price', '$discount'  ]  } }
},{
 $project: {price: 1, New_price: {$subtract: ['$price',   '$Disc_amount' ]
  }}}, {$sort: { New_price: 1}}, { $limit: 50 }])};
```

5- SearchAllString:

```
exports = function(arg){
  //let arg = "Black";
  var collection = context.services.get("mongodb-atlas").db("HandM").collection("H_M");
  let results = collection.find({
  $or: [
    {'prod_name':{$regex:(arg) , '$options' : 'i'}},
    {'product_type_name':{$regex:(arg) , '$options' : 'i'}},
    {'product_group_name':{$regex:(arg) , '$options' : 'i'}},
    {'graphical_appearance_name':{$regex:(arg) , '$options' : 'i'}},
    {'colour_group_name':{$regex:(arg) , '$options' : 'i'}},
    {'perceived_colour_value_name':{$regex:(arg) , '$options' : 'i'}},
    {'perceived_colour_master_name':{$regex:(arg) , '$options' : 'i'}},
    {'department_name':{$regex:(arg) , '$options' : 'i'}},
    {'index_code':{$regex:(arg) , '$options' : 'i'}},
…
```