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/* =====
Name - Hay Munn Hnin Wai
UOW ID - 6573277
(My UOW email - hmhw344@uowmail.edu.au)
Assignment 3 - Task 1
=====*/

/*Task1 - Create the database called "hmhw344" & Create a Collection with prefix of
my email called "hmhw344" */
db.hmhw344.insert(
{"COMPANY": {"name": "ABC" ,
              "City": "Singapore" ,
              "Consists-of": [
                  {"DEPARTMENT" : {
                      "name" : "IT" ,
                      "budget": 10000,
                      "Is-located-in": {"BUILDING": {
                          /* Building-1 */
                          "number": 001,
                          "type" : "Education
Buildings"}}},
                  "Includes": [{"EMPLOYEE": {
                      "e#" : "E001",
                      /
                      "first-name":"Hay Munn",
                      "last-name" : "Hnin Wai",
                      "address": "Bukit Panjang 403",
                      "skills": ["Java", "HTML",
                              "Involves":{"Project": { "code":
"P001",
/* Involves in Project-1 */
"deadlines" : "18-June-2020"}
                      }}}}
                  {"EMPLOYEE" : {
                      "e#" : "E002",
                      /*
                      "first-name": "John",
                      "last-name" : "Doe",
                      "address": "Bukit Timah",
                      "skills": ["C++","Java", "Python",
                              "Involves": { "Project": { "code":
"P001",
/* Involves in Project-1 */
"deadlines": "18-June-2020"}
                      }
                  }
              ]
          }
      },
      {"DEPARTMENT" : {
          "name" : "HR" ,
          "budget": 120000,
          "Is-located-in": {"BUILDING": {
              /* Building-2 */
              "number": 002,
              "type" :

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"Business Buildings"}},
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    "Includes": [{ "EMPLOYEE": {
                        "e#" : "E003",

                        "first-name":"Ting",
                        "last-name" : "Ting",
                        "address": "Climenti",
                        "skills": [ "Microsoft Word" , "Excel", "MS Project"] ,

                        "Involves":{"Project": {
                                "code": "P002",                /* Involves in Project-2 */

                                "deadlines" : "20-June-2020"}

                                }},
                        {"EMPLOYEE" : {
                            "e#": "E004",

                            "first-name": "Feng",
                            "last-name" : "Feng",
                            "address": "Yishun",
                            "skills": [ "Microsoft Word" , "Excel", "MS Project"] ,

                            "Involves": { "Project": {
                                    "code": "P002",            /* Involves in Project-2 */

                                    "deadlines": "20-June-2020"}

                                    }

                            }

                        ]

                    }

                }}

        ]

    });

/*=====*/
/*Display the Output in MongoDB */
> use hmw344
switched to db hmw344
> show collections
> load('/home/csci235/Desktop/hmw344.js')
true
> show collections
hmw344

> db.hmw344.find().pretty()
{
  "_id" : ObjectId("5ec4e55cead20faad11c3875"),
  "COMPANY" : {
    "name" : "ABC",
    "City" : "Singapore",
    "Consists-of" : [
      {
        "DEPARTMENT" : {
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"name" : "IT",
"budget" : 10000,
"Is-located-in" : {
  "BUILDING" : {
    "number" : 1,
    "type" : "Education Buildings"
  }
},
"Includes" : [
  {
    "EMPLOYEE" : {
      "e#" : "E001",
      "first-name" : "Hay Munn",
      "last-name" : "Hnin Wai",
      "address" : "Bukit Panjang 403",
      "skills" : [
        "Java",
        "HTML",
        "Python"
      ],
      "Involves" : {
        "Project" : {
          "code" : "P001",
          "deadlines" : "18-June-

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2020"

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        }
      }
    }
  },
  {
    "EMPLOYEE" : {
      "e#" : "E002",
      "first-name" : "John",
      "last-name" : "Doe",
      "address" : "Bukit Timah",
      "skills" : [
        "C++",
        "Java",
        "Python",
        "HTML"
      ],
      "Involves" : {
        "Project" : {
          "code" : "P001",
          "deadlines" : "18-June-

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2020"

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        }
      }
    }
  },
  {
    "DEPARTMENT" : {
      "name" : "HR",
      "budget" : 120000,
      "Is-located-in" : {
        "BUILDING" : {

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        "number" : 2,
        "type" : "Business Buildings"
    },
    "Includes" : [
        {
            "EMPLOYEE" : {
                "e#" : "E003",
                "first-name" : "Ting",
                "last-name" : "Ting",
                "address" : "Climenti",
                "skills" : [
                    "Microsoft Word",
                    "Excel",
                    "MS Project"
                ],
                "Involves" : {
                    "Project" : {
                        "code" : "P002",
                        "deadlines" : "20-June-
2020"
                    }
                }
            }
        },
        {
            "EMPLOYEE" : {
                "e#" : "E004",
                "first-name" : "Feng",
                "last-name" : "Feng",
                "address" : "Yishun",
                "skills" : [
                    "Microsoft Word",
                    "Excel",
                    "MS Project"
                ],
                "Involves" : {
                    "Project" : {
                        "code" : "P002",
                        "deadlines" : "20-June-
2020"
                    }
                }
            }
        }
    ]
}
>

```