1. **Creation of DB**

**Query:**

use lab2

**Screenshot:**

A black background with white text

Description automatically generated

1. **Creation of companies collection**

**Query:**

lab2> db.createCollection(“companies”);

{ ok: 1 }

**Screenshot:**



A black background with white text

Description automatically generated

1. MongoDB Schema Structure for Companies Collection

{

"\_id": "int64",

"name": "string",

"description": "string",

"company\_size": "float64",

"state": "string",

"country": "string",

"city": "string",

"zip\_code": "string",

"address": "string",

"url": "string",

"industry": "string", // List in string format

"speciality": "string", // List in string format

"employee\_count": "float64",

"follower\_count": "float64",

"time\_recorded": "string" // Date and time in string format

}

**3.Document Structure in Companies Collection**

{

\_id: 1201,

name: 'Cordis',

description: 'With more than a 60-year history of pioneering products to treat millions of patients, Cordis is a worldwide leader in the development and manufacturing of interventional cardiovascular technology. Cordis established a legacy of high-quality and minimally-invasive cardiovascular products; and has built a robust global footprint with operations in more than 60 countries around the world. As from August 2, 2021, Cordis is a standalone company, and is committed to investing $300 million to accelerate innovation in its broad product portfolio. Building on our storied brand, we are unleashing our potential to be a $10 billion leader bringing new technology to the market through bold action at speed.',

company\_size: 5,

state: 'FL',

country: 'US',

city: 'Miami Lakes',

zip\_code: '33014',

address: '14201 Northwest 60th Avenue',

url: 'https://www.linkedin.com/company/cordis',

industry: "['Medical Equipment Manufacturing']",

speciality: NaN,

employee\_count: 2464,

follower\_count: 47848,

time\_recorded: '2023-11-03 21:52:52.000000000'

}