**GitHub Link:** https://github.com/michaelzwartz/Database-Systems.git

**Part 2: Data Entities, Attributes, and Files**

5 entities and their attributes (3 attributes per entity)

1. Five entities Zwartz Toys maintains records for include: Employee data, Raw materials purchases, Orders to fill, Shipping information

Employee data contains the employee ID numbers, first and last names, gender, and salary. Raw material data includes the material name, supplier name, quantity, cost per unit, and purchase date. Order data includes the order number, store ID number, product ID, and quantity being purchased. The shipping information includes the order number, destination address, shipping company, and delivery date.

1. Create 5 tables (1 for tach entity)

|  |  |
| --- | --- |
| **Employee Data** | |
| Employee\_ID | varchar[10] |
| First name | varchar[15] |
| Last name | varchar[20] |
| Location | String |
| Salary | Float |

|  |  |
| --- | --- |
| **Third Party Manufacturers** | |
| Name | varchar[20] |
| Location | varchar[10] |
| Capacity | Float |
| Cost rating | Int |
| Reliability |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Product** | | | |
| Product | | varchar[20] | |
| Manufacturer | | varchar[10] | |
| Cost per unit | | Float | |
| Sale price | | Float | |
| **Sales** | | |
| order\_num | varchar[20] | |
| Store\_id | varchar[10] | |
| product | varchar[10] | |
| quantity | int | |

|  |  |
| --- | --- |
| **Shipping Information** | |
| Order\_num | varchar[20] |
| Destination City | varchar[10] |
| Carrier | varchar[10] |
| Delivery date | Date |