SQL Database Code

GB Manufacturing Inventory Management System

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Class: CEIS400 – Week 7 - Group 1

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Revisions

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Author | Description | Date |
| 1.0 | Alfred Beam | Initial Draft | 02/15/2025 |
| 1.1 | Alfred Beam | Added SQL Database Code | 02/28/2025 |
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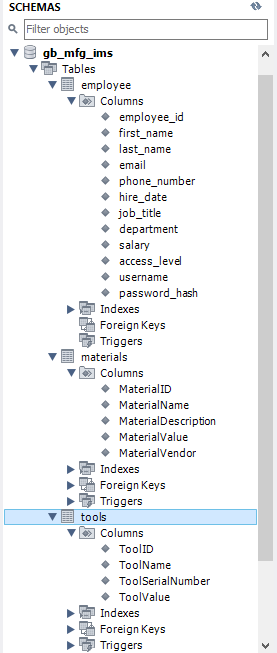
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# Schema Creation

## Schema Image



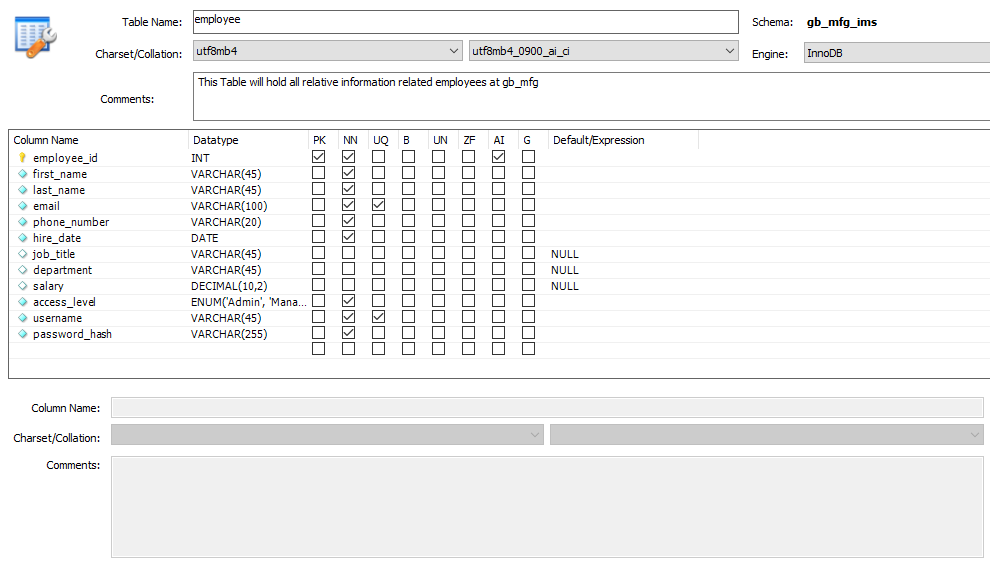
## Schema Code

CREATE SCHEMA `gb\_mfg\_ims` ;

# Employee Table



## Employee Table Images



A screenshot of a computer

AI-generated content may be incorrect.

## Employee Table Code

CREATE TABLE `employee` (

`employee\_id` int NOT NULL AUTO\_INCREMENT,

`first\_name` varchar(45) NOT NULL,

`last\_name` varchar(45) NOT NULL,

`email` varchar(100) NOT NULL,

`phone\_number` varchar(20) NOT NULL,

`hire\_date` date NOT NULL,

`job\_title` varchar(45) DEFAULT NULL,

`department` varchar(45) DEFAULT NULL,

`salary` decimal(10,2) DEFAULT NULL,

`access\_level` enum('Admin','Manager','Staff') NOT NULL,

`username` varchar(45) NOT NULL,

`password\_hash` varchar(255) NOT NULL COMMENT 'Store hashed passwords',

PRIMARY KEY (`employee\_id`),

UNIQUE KEY `email\_UNIQUE` (`email`),

UNIQUE KEY `username\_UNIQUE` (`username`)

) ENGINE=InnoDB AUTO\_INCREMENT=20 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci COMMENT='This Table will hold all relative information related employees at gb\_mfg'

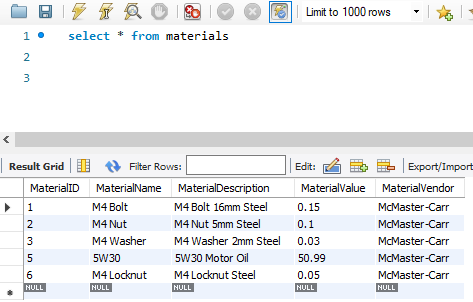
# Material Table



## Material Table Image

A screenshot of a computer

AI-generated content may be incorrect.



## Material Table Code

CREATE TABLE `materials` (

`MaterialID` int NOT NULL AUTO\_INCREMENT,

`MaterialName` varchar(45) NOT NULL,

`MaterialDescription` varchar(45) NOT NULL,

`MaterialValue` double NOT NULL,

`MaterialVendor` varchar(45) NOT NULL,

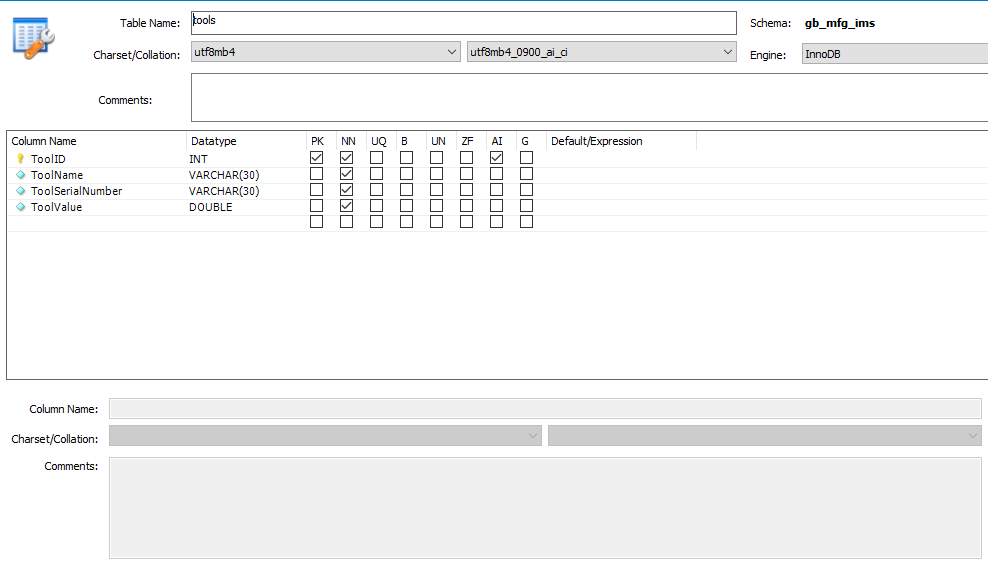
PRIMARY KEY (`MaterialID`)

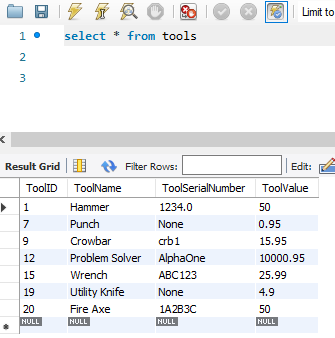
) ENGINE=InnoDB AUTO\_INCREMENT=7 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

# Tool Table



## Tool Table Image





## Tool Table Code

CREATE TABLE `tools` (

`ToolID` int NOT NULL AUTO\_INCREMENT,

`ToolName` varchar(30) NOT NULL,

`ToolSerialNumber` varchar(30) NOT NULL,

`ToolValue` double NOT NULL,

PRIMARY KEY (`ToolID`)

) ENGINE=InnoDB AUTO\_INCREMENT=21 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci