**Convert ERD**

-- MySQL Script generated by MySQL Workbench

-- 11/14/15 23:32:45

-- Model: New Model Version: 1.0

-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='TRADITIONAL,ALLOW\_INVALID\_DATES';

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-- Schema db\_2

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-- -----------------------------------------------------

-- Schema db\_2

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `db\_2` DEFAULT CHARACTER SET utf8 COLLATE utf8\_general\_ci ;

USE `db\_2` ;

-- -----------------------------------------------------

-- Table `db\_2`.`Station`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Station` (

`station\_id` INT NOT NULL COMMENT '',

`address` VARCHAR(45) NULL COMMENT '',

`postal\_code` VARCHAR(45) NULL COMMENT '',

`city` VARCHAR(45) NULL COMMENT '',

PRIMARY KEY (`station\_id`) COMMENT '')

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Store`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Store` (

`store\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`address` VARCHAR(45) NULL COMMENT '',

`postal\_code` VARCHAR(45) NULL COMMENT '',

`city` VARCHAR(45) NULL COMMENT '',

`station\_id` INT NOT NULL COMMENT '',

PRIMARY KEY (`store\_id`) COMMENT '',

INDEX `fk\_Store\_Station\_idx` (`station\_id` ASC) COMMENT '',

CONSTRAINT `fk\_Store\_Station`

FOREIGN KEY (`station\_id`)

REFERENCES `db\_2`.`Station` (`station\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Department`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Department` (

`department\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`department\_name` VARCHAR(45) NULL COMMENT '',

PRIMARY KEY (`department\_id`) COMMENT '')

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Item`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Item` (

`item\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`item\_name` VARCHAR(45) NULL COMMENT '',

`item\_description` VARCHAR(45) NULL COMMENT '',

`item\_type` VARCHAR(45) NULL COMMENT '',

`item\_unit\_price` VARCHAR(45) NULL COMMENT '',

`department\_id` INT NOT NULL COMMENT '',

PRIMARY KEY (`item\_id`) COMMENT '',

INDEX `fk\_Item\_Department1\_idx` (`department\_id` ASC) COMMENT '',

CONSTRAINT `fk\_Item\_Department1`

FOREIGN KEY (`department\_id`)

REFERENCES `db\_2`.`Department` (`department\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Inventory`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Inventory` (

`inventory\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`item\_id` INT NOT NULL COMMENT '',

`store\_id` INT NOT NULL COMMENT '',

`last\_update` TIMESTAMP NOT NULL COMMENT '',

`quantity` INT NULL COMMENT '',

PRIMARY KEY (`inventory\_id`) COMMENT '',

INDEX `fk\_Item\_Store1\_idx` (`store\_id` ASC) COMMENT '',

INDEX `fk\_Item\_Product1\_idx` (`item\_id` ASC) COMMENT '',

CONSTRAINT `fk\_Item\_Store1`

FOREIGN KEY (`store\_id`)

REFERENCES `db\_2`.`Store` (`store\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Item\_Product1`

FOREIGN KEY (`item\_id`)

REFERENCES `db\_2`.`Item` (`item\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Sale`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Sale` (

`sale\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`sale\_date` DATETIME NULL COMMENT '',

`sale\_total` VARCHAR(45) NULL COMMENT '',

`store\_id` INT NOT NULL COMMENT '',

PRIMARY KEY (`sale\_id`) COMMENT '',

INDEX `fk\_Sale\_Store1\_idx` (`store\_id` ASC) COMMENT '',

CONSTRAINT `fk\_Sale\_Store1`

FOREIGN KEY (`store\_id`)

REFERENCES `db\_2`.`Store` (`store\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Weather Event`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Weather Event` (

`event\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`date` DATE NULL COMMENT '',

`tmax` VARCHAR(45) NULL COMMENT '',

`tmin` VARCHAR(45) NULL COMMENT '',

`tavg` VARCHAR(45) NULL COMMENT '',

`depart` VARCHAR(45) NULL COMMENT '',

`dewpoint` VARCHAR(45) NULL COMMENT '',

`wetbulb` VARCHAR(45) NULL COMMENT '',

`heat` VARCHAR(45) NULL COMMENT '',

`cool` VARCHAR(45) NULL COMMENT '',

`sunrise` VARCHAR(45) NULL COMMENT '',

`sunset` VARCHAR(45) NULL COMMENT '',

`codesum` VARCHAR(45) NULL COMMENT '',

`snowfall` VARCHAR(45) NULL COMMENT '',

`preciptotal` VARCHAR(45) NULL COMMENT '',

`stnpressure` VARCHAR(45) NULL COMMENT '',

`sealevel` VARCHAR(45) NULL COMMENT '',

`resultspeed` VARCHAR(45) NULL COMMENT '',

`resultdir` VARCHAR(45) NULL COMMENT '',

`avgspeed` VARCHAR(45) NULL COMMENT '',

`station\_id` INT NOT NULL COMMENT '',

PRIMARY KEY (`event\_id`) COMMENT '',

INDEX `fk\_Weather\_Station1\_idx` (`station\_id` ASC) COMMENT '',

CONSTRAINT `fk\_Weather\_Station1`

FOREIGN KEY (`station\_id`)

REFERENCES `db\_2`.`Station` (`station\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `db\_2`.`Line\_Item`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `db\_2`.`Line\_Item` (

`line\_id` INT NOT NULL AUTO\_INCREMENT COMMENT '',

`sale\_id` INT NOT NULL COMMENT '',

`item\_id` INT NOT NULL COMMENT '',

`line\_units` INT NULL COMMENT '',

INDEX `fk\_Item\_has\_Sale\_Sale1\_idx` (`sale\_id` ASC) COMMENT '',

INDEX `fk\_Order\_Product1\_idx` (`item\_id` ASC) COMMENT '',

PRIMARY KEY (`line\_id`) COMMENT '',

CONSTRAINT `fk\_Item\_has\_Sale\_Sale1`

FOREIGN KEY (`sale\_id`)

REFERENCES `db\_2`.`Sale` (`sale\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Order\_Product1`

FOREIGN KEY (`item\_id`)

REFERENCES `db\_2`.`Item` (`item\_id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;