-- MySQL Script generated by MySQL Workbench

-- Sat Nov 26 15:13:48 2016

-- 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 mydb

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CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;

USE `mydb` ;

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-- Table `mydb`.`customer`

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CREATE TABLE IF NOT EXISTS `mydb`.`customer` (

`customer\_ID` INT UNSIGNED NOT NULL,

`Nick\_Name` VARCHAR(45) NULL,

PRIMARY KEY (`customer\_ID`))

ENGINE = InnoDB;

CREATE UNIQUE INDEX `customer\_ID\_UNIQUE` ON `mydb`.`customer` (`customer\_ID` ASC);

CREATE UNIQUE INDEX `Nick\_Name\_UNIQUE` ON `mydb`.`customer` (`Nick\_Name` ASC);

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-- Table `mydb`.`Customer`

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CREATE TABLE IF NOT EXISTS `mydb`.`Customer` (

`ID` INT NOT NULL,

`Firstname` VARCHAR(45) NULL,

`Lastname` VARCHAR(45) NULL,

`Username` VARCHAR(45) NULL,

`e-mail` VARCHAR(45) NULL,

`pasword` VARCHAR(45) NULL,

PRIMARY KEY (`ID`))

ENGINE = InnoDB;

CREATE UNIQUE INDEX `Business\_customerID\_UNIQUE` ON `mydb`.`Customer` (`ID` ASC);

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-- Table `mydb`.`Home\_Customers`

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CREATE TABLE IF NOT EXISTS `mydb`.`Home\_Customers` (

`customerID` INT NOT NULL,

`Nick\_Name` VARCHAR(45) NOT NULL,

`gender` VARCHAR(45) NOT NULL,

`marrige\_status` VARCHAR(45) NULL,

`age` INT NULL,

`income` INT NULL,

PRIMARY KEY (`customerID`),

CONSTRAINT `fk\_Home\_Customers\_Customer\_ID1`

FOREIGN KEY (`customerID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE UNIQUE INDEX `Nick\_Name\_UNIQUE` ON `mydb`.`Home\_Customers` (`Nick\_Name` ASC);

CREATE INDEX `fk\_Home\_Customers\_Customer\_ID1\_idx` ON `mydb`.`Home\_Customers` (`customerID` ASC);

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-- Table `mydb`.`Business\_Category`

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CREATE TABLE IF NOT EXISTS `mydb`.`Business\_Category` (

`category\_Name` VARCHAR(45) NULL,

`category\_ID` INT NOT NULL,

PRIMARY KEY (`category\_ID`))

ENGINE = InnoDB;

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

-- Table `mydb`.`Business\_Customers`

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

CREATE TABLE IF NOT EXISTS `mydb`.`Business\_Customers` (

`customerID` INT NOT NULL,

`annual\_Income` INT NULL,

`category\_ID` INT NULL,

PRIMARY KEY (`customerID`),

CONSTRAINT `customer\_ID`

FOREIGN KEY (`category\_ID`)

REFERENCES `mydb`.`Business\_Category` (`category\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Business\_Customers\_Customer\_ID1`

FOREIGN KEY (`customerID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_Business\_Customers\_Business\_Category1\_idx` ON `mydb`.`Business\_Customers` (`category\_ID` ASC);

CREATE INDEX `fk\_Business\_Customers\_Customer\_ID1\_idx` ON `mydb`.`Business\_Customers` (`customerID` ASC);

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

-- Table `mydb`.`product`

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CREATE TABLE IF NOT EXISTS `mydb`.`product` (

`ID` INT NOT NULL,

`Inventory\_Amount` INT NOT NULL,

`name` VARCHAR(45) NOT NULL,

`price` VARCHAR(45) NOT NULL,

`Home\_discount` VARCHAR(45) NULL,

`Business\_discount` VARCHAR(45) NULL,

`status` VARCHAR(45) NOT NULL,

`branch` VARCHAR(45) NULL,

PRIMARY KEY (`ID`))

ENGINE = InnoDB;

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

-- Table `mydb`.`cart`

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CREATE TABLE IF NOT EXISTS `mydb`.`cart` (

`quantity` INT NULL,

`customerID` INT NOT NULL,

`product\_ID` INT NOT NULL,

PRIMARY KEY (`customerID`, `product\_ID`),

CONSTRAINT `fk\_cart\_Customer\_ID1`

FOREIGN KEY (`customerID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_cart\_product1`

FOREIGN KEY (`product\_ID`)

REFERENCES `mydb`.`product` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_cart\_product1\_idx` ON `mydb`.`cart` (`product\_ID` ASC);

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-- Table `mydb`.`rate`

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CREATE TABLE IF NOT EXISTS `mydb`.`rate` (

`rate` INT NULL,

`since` DATE NOT NULL,

`product\_product\_ID` INT NOT NULL,

`Customer\_ID\_customerID` INT NOT NULL,

PRIMARY KEY (`since`, `product\_product\_ID`, `Customer\_ID\_customerID`),

CONSTRAINT `fk\_rate\_product1`

FOREIGN KEY (`product\_product\_ID`)

REFERENCES `mydb`.`product` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_rate\_Customer\_ID1`

FOREIGN KEY (`Customer\_ID\_customerID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_rate\_product1\_idx` ON `mydb`.`rate` (`product\_product\_ID` ASC);

CREATE INDEX `fk\_rate\_Customer\_ID1\_idx` ON `mydb`.`rate` (`Customer\_ID\_customerID` ASC);

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-- Table `mydb`.`Address`

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CREATE TABLE IF NOT EXISTS `mydb`.`Address` (

`Address\_ID` INT NOT NULL,

`customerID` INT NOT NULL,

`street` VARCHAR(45) NULL,

`city` VARCHAR(45) NULL,

`state` VARCHAR(45) NULL,

`zip\_code` INT NULL,

PRIMARY KEY (`Address\_ID`, `customerID`),

CONSTRAINT `fk\_Address\_Customer\_ID1`

FOREIGN KEY (`customerID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_Address\_Customer\_ID1\_idx` ON `mydb`.`Address` (`customerID` ASC);

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-- Table `mydb`.`Address\_has\_Customer\_ID`

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CREATE TABLE IF NOT EXISTS `mydb`.`Address\_has\_Customer\_ID` (

`Address\_Address\_ID` INT NOT NULL,

`Customer\_ID\_customerID` INT NOT NULL,

PRIMARY KEY (`Address\_Address\_ID`, `Customer\_ID\_customerID`),

CONSTRAINT `fk\_Address\_has\_Customer\_ID\_Address1`

FOREIGN KEY (`Address\_Address\_ID`)

REFERENCES `mydb`.`Address` (`Address\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Address\_has\_Customer\_ID\_Customer\_ID1`

FOREIGN KEY (`Customer\_ID\_customerID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_Address\_has\_Customer\_ID\_Customer\_ID1\_idx` ON `mydb`.`Address\_has\_Customer\_ID` (`Customer\_ID\_customerID` ASC);

CREATE INDEX `fk\_Address\_has\_Customer\_ID\_Address1\_idx` ON `mydb`.`Address\_has\_Customer\_ID` (`Address\_Address\_ID` ASC);

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-- Table `mydb`.`table1`

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CREATE TABLE IF NOT EXISTS `mydb`.`table1` (

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ENGINE = InnoDB;

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-- Table `mydb`.`Hardware\_category`

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CREATE TABLE IF NOT EXISTS `mydb`.`Hardware\_category` (

`category\_ID` INT NOT NULL,

`category\_Name` VARCHAR(45) NULL,

PRIMARY KEY (`category\_ID`))

ENGINE = InnoDB;

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-- Table `mydb`.`Hardwares`

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

CREATE TABLE IF NOT EXISTS `mydb`.`Hardwares` (

`product\_ID` INT NOT NULL,

`Hardware\_ID` INT NOT NULL,

`name` VARCHAR(45) NOT NULL,

`company` VARCHAR(45) NULL,

`category\_ID` INT NOT NULL,

PRIMARY KEY (`Hardware\_ID`, `category\_ID`),

CONSTRAINT `fk\_Hardwares\_product1`

FOREIGN KEY (`product\_ID`)

REFERENCES `mydb`.`product` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Hardwares\_Hardware\_category1`

FOREIGN KEY (`category\_ID`)

REFERENCES `mydb`.`Hardware\_category` (`category\_ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_Hardwares\_product1\_idx` ON `mydb`.`Hardwares` (`product\_ID` ASC);

CREATE INDEX `fk\_Hardwares\_Hardware\_category1\_idx` ON `mydb`.`Hardwares` (`category\_ID` ASC);

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-- Table `mydb`.`supplier`

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CREATE TABLE IF NOT EXISTS `mydb`.`supplier` (

`ID` INT NOT NULL,

`name` VARCHAR(45) NULL,

`phone` VARCHAR(45) NULL,

PRIMARY KEY (`ID`))

ENGINE = InnoDB;

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-- Table `mydb`.`supply`

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

CREATE TABLE IF NOT EXISTS `mydb`.`supply` (

`since` DATETIME NULL,

`supplier\_ID` INT NOT NULL,

`product\_ID` INT NOT NULL,

CONSTRAINT `fk\_supply\_supplier1`

FOREIGN KEY (`supplier\_ID`)

REFERENCES `mydb`.`supplier` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_supply\_product1`

FOREIGN KEY (`product\_ID`)

REFERENCES `mydb`.`product` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_supply\_supplier1\_idx` ON `mydb`.`supply` (`supplier\_ID` ASC);

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-- Table `mydb`.`shipper`

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

CREATE TABLE IF NOT EXISTS `mydb`.`shipper` (

`ID` INT NOT NULL,

`name` VARCHAR(45) NULL,

`phone` INT NULL,

PRIMARY KEY (`ID`))

ENGINE = InnoDB;

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

-- Table `mydb`.`billinginfo`

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CREATE TABLE IF NOT EXISTS `mydb`.`billinginfo` (

`ID` INT NOT NULL,

`creditcard\_number` INT NULL,

`billing\_add` VARCHAR(45) NULL,

`Customer\_ID` INT NOT NULL,

PRIMARY KEY (`ID`),

CONSTRAINT `fk\_billinginfo\_Customer1`

FOREIGN KEY (`Customer\_ID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_billinginfo\_Customer1\_idx` ON `mydb`.`billinginfo` (`Customer\_ID` ASC);

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-- Table `mydb`.`order`

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CREATE TABLE IF NOT EXISTS `mydb`.`order` (

`id` INT NOT NULL,

`product\_ID` INT NOT NULL,

`Customer\_ID` INT NOT NULL,

`shipper\_ID` INT NOT NULL,

`billinginfo\_ID` INT NOT NULL,

PRIMARY KEY (`id`, `product\_ID`, `Customer\_ID`, `shipper\_ID`, `billinginfo\_ID`),

CONSTRAINT `fk\_order\_product1`

FOREIGN KEY (`product\_ID`)

REFERENCES `mydb`.`product` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_order\_Customer\_ID1`

FOREIGN KEY (`Customer\_ID`)

REFERENCES `mydb`.`Customer` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_order\_shipper1`

FOREIGN KEY (`shipper\_ID`)

REFERENCES `mydb`.`shipper` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_order\_billinginfo1`

FOREIGN KEY (`billinginfo\_ID`)

REFERENCES `mydb`.`billinginfo` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_order\_product1\_idx` ON `mydb`.`order` (`product\_ID` ASC);

CREATE INDEX `fk\_order\_Customer\_ID1\_idx` ON `mydb`.`order` (`Customer\_ID` ASC);

CREATE INDEX `fk\_order\_shipper1\_idx` ON `mydb`.`order` (`shipper\_ID` ASC);

CREATE INDEX `fk\_order\_billinginfo1\_idx` ON `mydb`.`order` (`billinginfo\_ID` ASC);

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-- Table `mydb`.`Admin`

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CREATE TABLE IF NOT EXISTS `mydb`.`Admin` (

`ID` INT NOT NULL,

`firstname` VARCHAR(45) NULL,

`lastname` VARCHAR(45) NULL,

`username` VARCHAR(45) NULL,

`password` VARCHAR(45) NULL,

`email` VARCHAR(45) NULL,

PRIMARY KEY (`ID`))

ENGINE = InnoDB;

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-- Table `mydb`.`manage`

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CREATE TABLE IF NOT EXISTS `mydb`.`manage` (

`since` DATETIME NOT NULL,

`Admin\_ID` INT NOT NULL,

`product\_ID` INT NOT NULL,

PRIMARY KEY (`Admin\_ID`, `product\_ID`, `since`),

CONSTRAINT `fk\_manage\_Admin1`

FOREIGN KEY (`Admin\_ID`)

REFERENCES `mydb`.`Admin` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_manage\_product1`

FOREIGN KEY (`product\_ID`)

REFERENCES `mydb`.`product` (`ID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

CREATE INDEX `fk\_manage\_product1\_idx` ON `mydb`.`manage` (`product\_ID` ASC);

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

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

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