-- 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 hdbms

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

-- Schema hdbms

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

USE `hdbms` ;

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

-- Table `hdbms`.`Customer\_Table`

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CREATE TABLE IF NOT EXISTS `hdbms`.`Customer\_Table` (

`Cust\_Id` INT NOT NULL,

`FName` VARCHAR(45) NOT NULL,

`LName` VARCHAR(45) NOT NULL,

`Gender` ENUM('M', 'F', 'O') NOT NULL,

`Contact\_No` DOUBLE NOT NULL,

`Email` VARCHAR(70) NULL DEFAULT 'null',

`Address` VARCHAR(150) NOT NULL,

PRIMARY KEY (`Cust\_Id`))

ENGINE = InnoDB;

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-- Table `hdbms`.`Accommodation\_Table`

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CREATE TABLE IF NOT EXISTS `hdbms`.`Accommodation\_Table` (

`Room\_Id` INT NOT NULL AUTO\_INCREMENT,

`Room\_No` VARCHAR(15) NOT NULL,

`Meals` ENUM('YES', 'NO') NOT NULL,

`Laundry` ENUM('YES', 'NO') NOT NULL,

`Transport` ENUM('YES', 'NO') NOT NULL,

`Sports` ENUM('YES', 'NO') NOT NULL,

`Customer\_Table\_Cust\_Id` INT NOT NULL,

`Room\_Type` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Room\_Id`, `Customer\_Table\_Cust\_Id`),

CONSTRAINT `fk\_Accommodation\_Table\_Customer\_Table`

FOREIGN KEY (`Customer\_Table\_Cust\_Id`)

REFERENCES `hdbms`.`Customer\_Table` (`Cust\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Department`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Department` (

`Dept\_Id` INT NOT NULL,

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

PRIMARY KEY (`Dept\_Id`))

ENGINE = InnoDB;

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

-- Table `hdbms`.`Sports\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Sports\_Table` (

`Sport\_Id` INT NOT NULL AUTO\_INCREMENT,

`LName` VARCHAR(45) NOT NULL,

`Sport\_Name` VARCHAR(100) NOT NULL,

`Start\_At` DATETIME(2) NOT NULL,

`End\_At` DATETIME(2) NOT NULL,

`Customer\_Table\_Cust\_Id` INT NOT NULL,

`Department\_Dept\_Id` INT NOT NULL,

PRIMARY KEY (`Sport\_Id`, `Customer\_Table\_Cust\_Id`, `Department\_Dept\_Id`),

INDEX `fk\_Sports\_Table\_Department1\_idx` (`Department\_Dept\_Id` ASC),

CONSTRAINT `fk\_Sports\_Table\_Customer\_Table1`

FOREIGN KEY (`Customer\_Table\_Cust\_Id`)

REFERENCES `hdbms`.`Customer\_Table` (`Cust\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Sports\_Table\_Department1`

FOREIGN KEY (`Department\_Dept\_Id`)

REFERENCES `hdbms`.`Department` (`Dept\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Employee\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Employee\_Table` (

`Staff\_ICard\_No` VARCHAR(45) NOT NULL,

`Staff\_FName` VARCHAR(45) NOT NULL,

`Staff\_LName` VARCHAR(45) NULL,

`Address` VARCHAR(250) NOT NULL,

`Email\_Id` VARCHAR(50) NOT NULL,

`Phone\_No` DOUBLE NOT NULL,

`Salary` FLOAT NOT NULL,

`Department\_Dept\_Id` INT NOT NULL,

PRIMARY KEY (`Staff\_ICard\_No`, `Department\_Dept\_Id`),

INDEX `fk\_Employee\_Table\_Department1\_idx` (`Department\_Dept\_Id` ASC),

CONSTRAINT `fk\_Employee\_Table\_Department1`

FOREIGN KEY (`Department\_Dept\_Id`)

REFERENCES `hdbms`.`Department` (`Dept\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Food\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Food\_Table` (

`Food\_Id` INT NOT NULL AUTO\_INCREMENT,

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

`Quantity` VARCHAR(45) NOT NULL,

`price` DOUBLE NOT NULL,

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

`DQuantity` VARCHAR(45) NOT NULL,

`DPrice` DOUBLE NOT NULL,

PRIMARY KEY (`Food\_Id`))

ENGINE = InnoDB;

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

-- Table `hdbms`.`Order\_Food`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Order\_Food` (

`Rcpt\_Id` INT NOT NULL AUTO\_INCREMENT,

`FName` VARCHAR(45) NOT NULL,

`Food\_Id` INT NOT NULL,

`Food\_Qty` VARCHAR(45) NULL,

`Drink\_Qty` VARCHAR(45) NULL,

`Customer\_Table\_Cust\_Id` INT NOT NULL,

`Department\_Dept\_Id` INT NOT NULL,

`Order\_Foodcol` VARCHAR(45) NULL,

PRIMARY KEY (`Rcpt\_Id`, `Customer\_Table\_Cust\_Id`, `Department\_Dept\_Id`),

INDEX `fk\_Order\_Food\_Department1\_idx` (`Department\_Dept\_Id` ASC),

CONSTRAINT `fk\_Order\_Food\_Customer\_Table1`

FOREIGN KEY (`Customer\_Table\_Cust\_Id`)

REFERENCES `hdbms`.`Customer\_Table` (`Cust\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Order\_Food\_Department1`

FOREIGN KEY (`Department\_Dept\_Id`)

REFERENCES `hdbms`.`Department` (`Dept\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Transport\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Transport\_Table` (

`Transport\_Id` INT NOT NULL AUTO\_INCREMENT,

`FName` VARCHAR(45) NOT NULL,

`Source` VARCHAR(45) NOT NULL,

`Destination` VARCHAR(45) NOT NULL,

`Vehicle\_Type` VARCHAR(50) NOT NULL,

`Distance\_Travelled` VARCHAR(45) NOT NULL,

`Customer\_Table\_Cust\_Id` INT NOT NULL,

`Department\_Dept\_Id` INT NOT NULL,

PRIMARY KEY (`Transport\_Id`, `Customer\_Table\_Cust\_Id`, `Department\_Dept\_Id`),

INDEX `fk\_Transport\_Table\_Department1\_idx` (`Department\_Dept\_Id` ASC),

CONSTRAINT `fk\_Transport\_Table\_Customer\_Table1`

FOREIGN KEY (`Customer\_Table\_Cust\_Id`)

REFERENCES `hdbms`.`Customer\_Table` (`Cust\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Transport\_Table\_Department1`

FOREIGN KEY (`Department\_Dept\_Id`)

REFERENCES `hdbms`.`Department` (`Dept\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Laundry\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Laundry\_Table` (

`ID` INT NOT NULL AUTO\_INCREMENT,

`Cloth\_Type` VARCHAR(45) NOT NULL,

`PricePer\_Piece` FLOAT NOT NULL,

PRIMARY KEY (`ID`))

ENGINE = InnoDB;

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

-- Table `hdbms`.`Laundry\_Service\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Laundry\_Service\_Table` (

`Laundry\_ID` INT NOT NULL AUTO\_INCREMENT,

`No\_Of\_Clothes` VARCHAR(45) NULL,

`Customer\_Table\_Cust\_Id` INT NOT NULL,

`Department\_Dept\_Id` INT NOT NULL,

PRIMARY KEY (`Laundry\_ID`, `Customer\_Table\_Cust\_Id`, `Department\_Dept\_Id`),

INDEX `fk\_Laundry\_Service\_Table\_Customer\_Table1\_idx` (`Customer\_Table\_Cust\_Id` ASC),

INDEX `fk\_Laundry\_Service\_Table\_Department1\_idx` (`Department\_Dept\_Id` ASC),

CONSTRAINT `fk\_Laundry\_Service\_Table\_Customer\_Table1`

FOREIGN KEY (`Customer\_Table\_Cust\_Id`)

REFERENCES `hdbms`.`Customer\_Table` (`Cust\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Laundry\_Service\_Table\_Department1`

FOREIGN KEY (`Department\_Dept\_Id`)

REFERENCES `hdbms`.`Department` (`Dept\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Room\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Room\_Table` (

`Room\_Id` INT NOT NULL AUTO\_INCREMENT,

`Room\_Type` VARCHAR(45) NOT NULL,

`RentPerNight` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Room\_Id`))

ENGINE = InnoDB;

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

-- Table `hdbms`.`Sports-Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Sports-Table` (

`Sport\_Id` INT NOT NULL AUTO\_INCREMENT,

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

`Cost\_Per\_Hour` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Sport\_Id`))

ENGINE = InnoDB;

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

-- Table `hdbms`.`Invoice\_Table`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Invoice\_Table` (

`Payment\_Id` INT NOT NULL AUTO\_INCREMENT,

`RegNo` INT NOT NULL,

`Food\_Charges` VARCHAR(100) NULL,

`Room\_Rent` VARCHAR(100) NULL,

`Sports\_Charges` VARCHAR(100) NULL,

`Laundry\_Charges` VARCHAR(100) NULL,

`Other\_ Charges` VARCHAR(100) NULL,

`Transport\_Charges` VARCHAR(100) NULL,

`Customer\_Table\_Cust\_Id` INT NOT NULL,

PRIMARY KEY (`Payment\_Id`, `Customer\_Table\_Cust\_Id`),

INDEX `fk\_Invoice\_Table\_Customer\_Table1\_idx` (`Customer\_Table\_Cust\_Id` ASC),

CONSTRAINT `fk\_Invoice\_Table\_Customer\_Table1`

FOREIGN KEY (`Customer\_Table\_Cust\_Id`)

REFERENCES `hdbms`.`Customer\_Table` (`Cust\_Id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `hdbms`.`Transport`

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

CREATE TABLE IF NOT EXISTS `hdbms`.`Transport` (

`Trans\_Id` INT NOT NULL,

`Vehicle\_Type` VARCHAR(45) NOT NULL,

`Charges\_per\_mile` FLOAT NOT NULL,

PRIMARY KEY (`Trans\_Id`))

ENGINE = InnoDB;

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

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

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