-- 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='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

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-- Schema Art\_gallery

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CREATE SCHEMA IF NOT EXISTS `Art\_gallery` DEFAULT CHARACTER SET utf8 ;

USE `Art\_gallery` ;

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

-- Table `Art\_gallery`.`Exhibitions`

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CREATE TABLE IF NOT EXISTS `Art\_gallery`.`Exhibitions` (

`exhibitionName` VARCHAR(45) NOT NULL,

`numberOfArtwork` INT NOT NULL,

`marketingMaterialAmount` INT NOT NULL,

`openingAndClosingHours` VARCHAR(45) NOT NULL,

PRIMARY KEY (`exhibitionName`))

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`manage`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`manage` (

`employeeID` INT NOT NULL,

`exhibitionName` VARCHAR(45) NOT NULL,

PRIMARY KEY (`employeeID`),

INDEX `fk\_manage\_Exhibitions1\_idx` (`exhibitionName` ASC) VISIBLE,

CONSTRAINT `fk\_manage\_Exhibitions1`

FOREIGN KEY (`exhibitionName`)

REFERENCES `Art\_gallery`.`Exhibitions` (`exhibitionName`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`Employees`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`Employees` (

`employeeID` INT NOT NULL,

`name` VARCHAR(45) NOT NULL,

`job` VARCHAR(45) NOT NULL,

`email` VARCHAR(45) NOT NULL,

`manages` INT NULL,

PRIMARY KEY (`employeeID`),

INDEX `fk\_Employees\_manage1\_idx` (`manages` ASC) VISIBLE,

CONSTRAINT `fk\_Employees\_manage1`

FOREIGN KEY (`manages`)

REFERENCES `Art\_gallery`.`manage` (`employeeID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`determine`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`determine` (

`projectID` INT NOT NULL,

`exhibitionName` VARCHAR(45) NOT NULL,

PRIMARY KEY (`projectID`),

INDEX `fk\_determine\_Exhibitions1\_idx` (`exhibitionName` ASC) VISIBLE,

CONSTRAINT `fk\_determine\_Exhibitions1`

FOREIGN KEY (`exhibitionName`)

REFERENCES `Art\_gallery`.`Exhibitions` (`exhibitionName`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`Projects`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`Projects` (

`ProjectID` INT NOT NULL,

`meetingTime` VARCHAR(45) NOT NULL,

`budgetSize` VARCHAR(45) NOT NULL,

`numberOfEmployeesWorking` INT NOT NULL,

`determines` INT NULL,

PRIMARY KEY (`ProjectID`),

INDEX `fk\_Projects\_determine1\_idx` (`determines` ASC) VISIBLE,

CONSTRAINT `fk\_Projects\_determine1`

FOREIGN KEY (`determines`)

REFERENCES `Art\_gallery`.`determine` (`projectID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`host`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`host` (

`programID` INT NOT NULL,

`exhibitionName` VARCHAR(45) NOT NULL,

PRIMARY KEY (`programID`),

INDEX `fk\_host\_Exhibitions1\_idx` (`exhibitionName` ASC) VISIBLE,

CONSTRAINT `fk\_host\_Exhibitions1`

FOREIGN KEY (`exhibitionName`)

REFERENCES `Art\_gallery`.`Exhibitions` (`exhibitionName`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`Programs`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`Programs` (

`programID` INT NOT NULL,

`programType` VARCHAR(45) NOT NULL,

`numberOfParticipants` INT NOT NULL,

`hostedBy` INT NULL,

PRIMARY KEY (`programID`),

INDEX `fk\_Programs\_host1\_idx` (`hostedBy` ASC) VISIBLE,

CONSTRAINT `fk\_Programs\_host1`

FOREIGN KEY (`hostedBy`)

REFERENCES `Art\_gallery`.`host` (`programID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Art\_gallery`.`work\_on`

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

CREATE TABLE IF NOT EXISTS `Art\_gallery`.`work\_on` (

`employeeID` INT NOT NULL,

`projectID` INT NOT NULL,

INDEX `fk\_Employees\_has\_Projects1\_Projects1\_idx` (`projectID` ASC) VISIBLE,

INDEX `fk\_Employees\_has\_Projects1\_Employees1\_idx` (`employeeID` ASC) VISIBLE,

PRIMARY KEY (`employeeID`, `projectID`),

CONSTRAINT `fk\_Employees\_has\_Projects1\_Employees1`

FOREIGN KEY (`employeeID`)

REFERENCES `Art\_gallery`.`Employees` (`employeeID`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Employees\_has\_Projects1\_Projects1`

FOREIGN KEY (`projectID`)

REFERENCES `Art\_gallery`.`Projects` (`ProjectID`)

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;