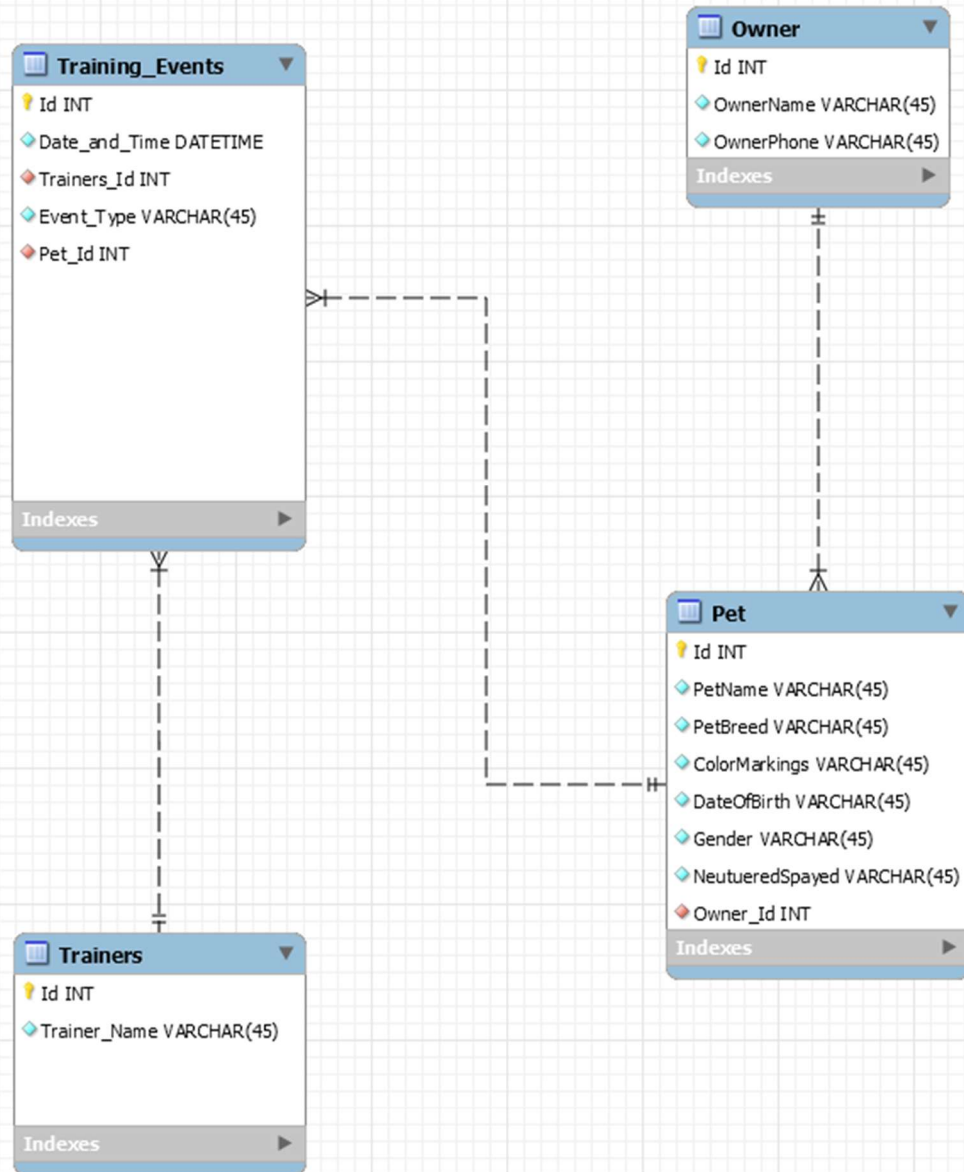


Mohamed Eisa

Mohamed Abdalla

HW4



```

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';

```

```

-- Schema Hw4

```

```

-- Schema Hw4

```

```

CREATE SCHEMA IF NOT EXISTS `Hw4` DEFAULT CHARACTER SET utf8 ;
USE `Hw4` ;

```

```

-- Table `Hw4`.`Owner`

```

```

CREATE TABLE IF NOT EXISTS `Hw4`.`Owner` (
  `Id` INT NOT NULL,
  `OwnerName` VARCHAR(45) NOT NULL,
  `OwnerPhone` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`Id`))
ENGINE = InnoDB;

```

```

-- Table `Hw4`.`Pet`

```

```

CREATE TABLE IF NOT EXISTS `Hw4`.`Pet` (
  `Id` INT NOT NULL,
  `PetName` VARCHAR(45) NOT NULL,
  `PetBreed` VARCHAR(45) NOT NULL,
  `ColorMarkings` VARCHAR(45) NOT NULL,
  `DateOfBirth` VARCHAR(45) NOT NULL,
  `Gender` VARCHAR(45) NOT NULL,
  `NeutueredSpayed` VARCHAR(45) NOT NULL,
  `Owner_Id` INT NOT NULL,
  PRIMARY KEY (`Id`),
  INDEX `fk_Pet_Owner1_idx` (`Owner_Id` ASC) VISIBLE,
  CONSTRAINT `fk_Pet_Owner1`
    FOREIGN KEY (`Owner_Id`)
      REFERENCES `Hw4`.`Owner` (`Id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

```

```

-- Table `Hw4`.`Trainers`

```

```

CREATE TABLE IF NOT EXISTS `Hw4`.`Trainers` (
  `Id` INT NOT NULL,
  `Trainer_Name` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`Id`))
ENGINE = InnoDB;

```

```

-- Table `Hw4`.`Training_Events`

```

```

CREATE TABLE IF NOT EXISTS `Hw4`.`Training_Events` (
  `Id` INT NOT NULL,
  `Date_and_Time` DATETIME NOT NULL,
  `Trainers_Id` INT NOT NULL,
  `Event_Type` VARCHAR(45) NOT NULL,
  `Pet_Id` INT NOT NULL,
  PRIMARY KEY (`Id`),
  INDEX `fk_Training_Events_Pet1_idx` (`Pet_Id` ASC) VISIBLE,
  INDEX `fk_Training_Events_Trainers1_idx` (`Trainers_Id` ASC) VISIBLE,
  CONSTRAINT `fk_Training_Events_Pet1`
    FOREIGN KEY (`Pet_Id`)
      REFERENCES `Hw4`.`Pet` (`Id`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION,
  CONSTRAINT `fk_Training_Events_Trainers1`
    FOREIGN KEY (`Trainers_Id`)
      REFERENCES `Hw4`.`Trainers` (`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;

```

1

```
Select owner.OwnerName, pet.PetName, pet.PetBreed, pet.Gender, pet.DateOfBirth From pet INNER join owner ON pet.Owner_Id = owner.Id;
```

	OwnerName	PetName	PetBreed	Gender	DateOfBirth
▶	Jack	Tom	Husky	male	2/2/18
	Mike	Blake	Sheperd	female	5/1/18
	Moe	Hank	Pug	female	7/3/19
	Eisa	Hope	Shitzu	male	5/4/18

2

```
Select training_events.Date_and_Time, trainers.Trainer_Name, training_events.Event_Type, owner.OwnerName, pet.PetName  
From training_events  
INNER join pet ON training_events.Pet_Id = pet.Id  
INNER join trainers ON training_events.Trainers_Id = trainers.Id  
INNER join owner ON pet.Owner_Id = owner.Id;
```

	Date_and_Time	Trainer_Name	Event_Type	OwnerName	PetName
▶	2020-03-25 10:00:00	Shey	Walk-Train-Play	Jack	Tom
	2020-03-21 13:00:00	Shey	Basic Skills	Moe	Hank
	2020-03-27 11:00:00	Shey	Private Training	Jack	Tom
	2020-03-25 15:00:00	Marie	Walk-Train-Play	Mike	Blake
	2020-03-20 13:00:00	Marie	Off Leash Operation	Eisa	Hope
	2020-03-29 10:00:00	Marie	Basic Skills	Moe	Hank