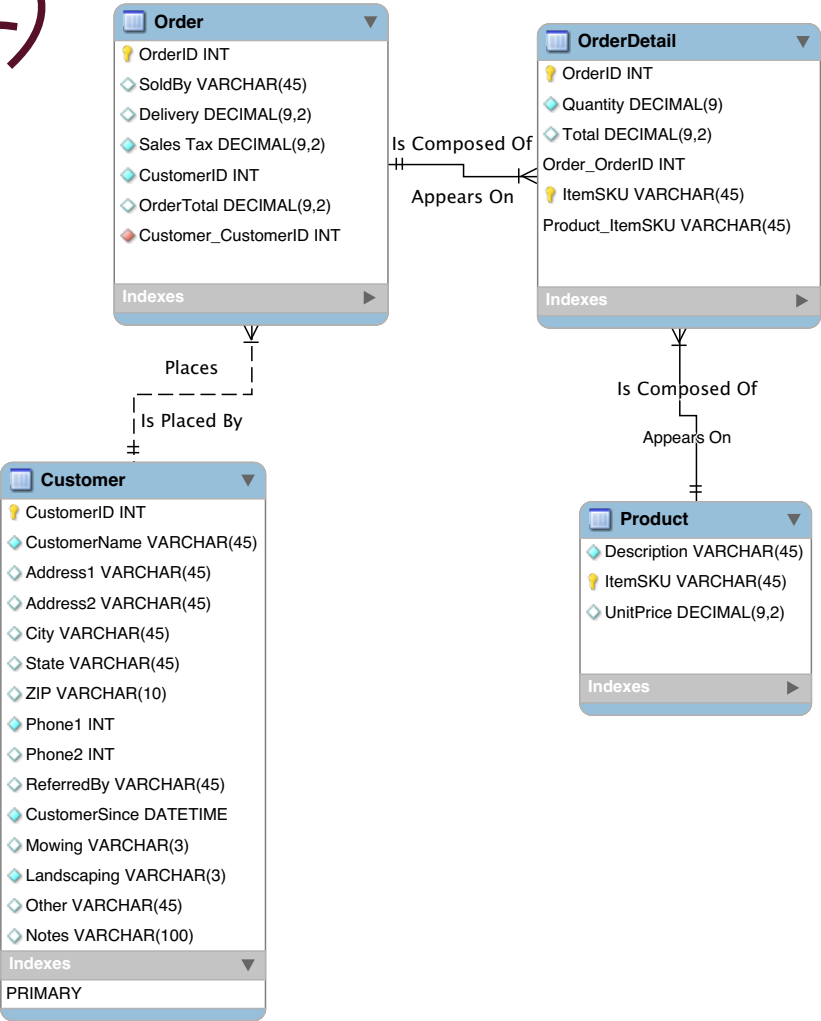


1)



2)

```
-- MySQL Script generated by MySQL Workbench
-- Sun Feb 14 16:40:17 2021
-- 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='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZE
RO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';

-- -----
-- Schema mydb
-- -----

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

-- -----
-- Table `mydb`.`Customer`
-- -----
DROP TABLE IF EXISTS `mydb`.`Customer` ;

CREATE TABLE IF NOT EXISTS `mydb`.`Customer` (
  `CustomerID` INT NOT NULL AUTO_INCREMENT,
  `CustomerName` VARCHAR(45) NOT NULL,
  `Address1` VARCHAR(45) NULL,
  `Address2` VARCHAR(45) NULL,
  `City` VARCHAR(45) NULL,
  `State` VARCHAR(45) NULL,
  `ZIP` VARCHAR(10) NULL,
  `Phone1` INT NOT NULL,
  `Phone2` INT NULL,
  `ReferredBy` VARCHAR(45) NULL,
  `CustomerSince` DATETIME NOT NULL,
  `Mowing` VARCHAR(3) BINARY NULL,
  `Landscaping` VARCHAR(3) BINARY NOT NULL,
  `Other` VARCHAR(45) NULL,
  `Notes` VARCHAR(100) NULL,
  PRIMARY KEY (`CustomerID`))
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Order`  
-- -----
```

```
DROP TABLE IF EXISTS `mydb`.`Order` ;
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Order` (  
  `OrderID` INT NOT NULL AUTO_INCREMENT,  
  `SoldBy` VARCHAR(45) NULL,  
  `Delivery` DECIMAL(9,2) NULL,  
  `Sales Tax` DECIMAL(9,2) NOT NULL,  
  `CustomerID` INT NOT NULL,  
  `OrderTotal` DECIMAL(9,2) NULL,  
  `Customer_CustomerID` INT NOT NULL,  
  PRIMARY KEY (`OrderID`),  
  CONSTRAINT `fk_Order_Customer1`  
    FOREIGN KEY (`Customer_CustomerID`)  
    REFERENCES `mydb`.`Customer` (`CustomerID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_Order_Customer1_idx` ON `mydb`.`Order`  
(`Customer_CustomerID` ASC) VISIBLE;
```

```
-- -----  
-- Table `mydb`.`Product`  
-- -----
```

```
DROP TABLE IF EXISTS `mydb`.`Product` ;
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Product` (  
  `Description` VARCHAR(45) NOT NULL,  
  `ItemSKU` VARCHAR(45) NOT NULL,  
  `UnitPrice` DECIMAL(9,2) NULL,  
  PRIMARY KEY (`ItemSKU`))  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`OrderDetail`  
-- -----
```

```
DROP TABLE IF EXISTS `mydb`.`OrderDetail` ;
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`OrderDetail` (  
  `OrderID` INT NOT NULL,  
  `Quantity` DECIMAL(9) NOT NULL,  
  `Total` DECIMAL(9,2) NULL,  
  `Order_OrderID` INT NOT NULL,  
  `ItemSKU` VARCHAR(45) NOT NULL,  
  `Product_ItemSKU` VARCHAR(45) NOT NULL,
```

```

    PRIMARY KEY (`OrderID`, `Order_OrderID`, `ItemSKU`,
`Product_ItemSKU`),
    CONSTRAINT `fk_OrderDetail_Order`
        FOREIGN KEY (`Order_OrderID`)
        REFERENCES `mydb`.`Order` (`OrderID`)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION,
    CONSTRAINT `fk_OrderDetail_Product1`
        FOREIGN KEY (`Product_ItemSKU`)
        REFERENCES `mydb`.`Product` (`ItemSKU`)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION)
ENGINE = InnoDB;

CREATE INDEX `fk_OrderDetail_Order_idx` ON `mydb`.`OrderDetail`
(`Order_OrderID` ASC) VISIBLE;

CREATE INDEX `fk_OrderDetail_Product1_idx` ON `mydb`.`OrderDetail`
(`Product_ItemSKU` ASC) VISIBLE;

SET SQL_MODE=@OLD_SQL_MODE;
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

```

3) One assumption I made in the Customer Table for attributes: Mowing, Landscaping, and Other is that mowing and landscaping are binary variables (you either do them or you don't) and I gave them varchar(3) in order to indicate "yes" or "no."

