

```
CREATE SCHEMA `familyentertainmentcenter` ;
```

```
CREATE TABLE `familyentertainmentcenter`.`equipment` (  
  `Inventory ID` INT NOT NULL,  
  `Name` VARCHAR(80) NULL,  
  `Description` VARCHAR(500) NULL,  
  `Equipment Type` VARCHAR(80) NULL,  
  `Washable` TINYINT NULL,  
  `Material Type` VARCHAR(80) NULL,  
  `Utility` VARCHAR(80) NULL,  
  `Game Type` VARCHAR(80) NULL,  
  PRIMARY KEY (`Inventory ID`));
```

```
CREATE TABLE `familyentertainmentcenter`.`employee` (  
  `ID` INT NOT NULL,  
  `Employee Type` VARCHAR(80) NULL,  
  `Phone Number` INT NULL,  
  `Pay Rate` FLOAT NULL,  
  `Hours Worked` INT NULL,  
  `EMT Experience` VARCHAR(500) NULL,  
  `Expiration Date` DATETIME NULL,  
  `Section` VARCHAR(80) NULL,  
  `Primary Duty` VARCHAR(80) NULL,  
  `Secondary Duty` VARCHAR(80) NULL,  
  `Store Number` INT NULL,  
  PRIMARY KEY (`ID`));
```

```
CREATE TABLE `familyentertainmentcenter`.`uses` (  
  `FK_EmployeeID` INT NOT NULL,  
  `FK_InventoryID` INT NOT NULL,  
  INDEX `FK_Uses_EmployeeID_idx` (`FK_EmployeeID` ASC) VISIBLE,  
  INDEX `FK_Uses_InventoryID_idx` (`FK_InventoryID` ASC) VISIBLE,  
  CONSTRAINT `FK_Uses_EmployeeID`  
    FOREIGN KEY (`FK_EmployeeID`)  
      REFERENCES `familyentertainmentcenter`.`employee` (`ID`)  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION,  
  CONSTRAINT `FK_Uses_InventoryID`  
    FOREIGN KEY (`FK_InventoryID`)  
      REFERENCES `familyentertainmentcenter`.`equipment` (`Inventory ID`)  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION);
```

```
CREATE TABLE `familyentertainmentcenter`.`meal` (  
  `Meal ID` INT NOT NULL,  
  `Meal Name` VARCHAR(80) NULL,  
  `Meal Description` VARCHAR(500) NULL,  
  `Meal Type` VARCHAR(80) NULL,  
  `Meal Price` FLOAT NULL,  
  `Meal Availability` TINYINT NULL,  
  `Meal Location` VARCHAR(80) NULL,  
  `Meal Duration` VARCHAR(80) NULL,  
  `Meal Ingredients` VARCHAR(500) NULL,  
  `Meal Allergens` VARCHAR(500) NULL,  
  `Meal Preparation` VARCHAR(500) NULL,  
  `Meal Serving Size` VARCHAR(80) NULL,  
  `Meal Storage` VARCHAR(80) NULL,  
  `Meal Packaging` VARCHAR(80) NULL,  
  `Meal Presentation` VARCHAR(80) NULL,  
  `Meal Reviews` VARCHAR(500) NULL,  
  `Meal Ratings` VARCHAR(80) NULL,  
  `Meal Status` VARCHAR(80) NULL,  
  `Meal Created` DATETIME NULL,  
  `Meal Updated` DATETIME NULL,  
  `Meal Deleted` DATETIME NULL,  
  PRIMARY KEY (`Meal ID`));
```

```

`Receipt ID` INT NOT NULL,
`Caffeine` TINYINT NULL,
`Dairy Free` TINYINT NULL,
`Price` FLOAT NULL,
`Vegetarian` TINYINT NULL,
`FK_Customer_ID` INT NOT NULL
PRIMARY KEY (`Receipt ID`));
INDEX `FK_Meal_Customer_idx` (`FK_Customer_ID` ASC) VISIBLE;
CONSTRAINT `FK_Meal_Customer`
FOREIGN KEY (`FK_Customer_ID`)
REFERENCES `familyentertainmentcenter`.`customer` (`Customer ID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION;

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CREATE TABLE `familyentertainmentcenter`.`familycenter` (
`Center ID` INT NOT NULL,
`Street Name` VARCHAR(80) NULL,
`Street Number` INT NULL,
`Zip Code` INT NULL,
`Name` VARCHAR(80) NULL,
PRIMARY KEY (`Center ID`));

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CREATE TABLE `familyentertainmentcenter`.`employs` (
`FK_CenterID` INT NOT NULL,
`FK_EmployeeID` INT NOT NULL,
INDEX `FK_Employee_Employee_idx` (`FK_EmployeeID` ASC) VISIBLE,
CONSTRAINT `FK_Employee_Employee`
FOREIGN KEY (`FK_EmployeeID`)
REFERENCES `familyentertainmentcenter`.`employee` (`ID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `FK_Employee_Center`
FOREIGN KEY (`FK_CenterID`)
REFERENCES `familyentertainmentcenter`.`familycenter` (`Center ID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION);

```

```

CREATE TABLE `familyentertainmentcenter`.`customer` (
`Customer ID` INT NOT NULL,
`Phone Number` INT NULL,
`Name` VARCHAR(80) NULL,
`Email` VARCHAR(80) NULL,
PRIMARY KEY (`Customer ID`),

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CREATE TABLE `familyentertainmentcenter`.`Visits` (

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`FK_CustomerID` INT NOT NULL,  
`FK_CenterID` INT NOT NULL,  
INDEX `FK_Visits_Center_idx` (`FK_CenterID` ASC) VISIBLE,  
CONSTRAINT `FK_Visits_Center`  
  FOREIGN KEY (`FK_CenterID`)  
    REFERENCES `familyentertainmentcenter`.`familycenter` (`Center ID`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION,  
CONSTRAINT `FK_Visits_Customer`  
  FOREIGN KEY (`FK_CustomerID`)  
    REFERENCES `familyentertainmentcenter`.`customer` (`Customer ID`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION);
```

```
CREATE TABLE `familyentertainmentcenter`.`Ticket` (  
  `Ticket Code` INT NOT NULL,  
  `Expire Date` DATETIME NULL,  
  PRIMARY KEY (`Ticket Code`));
```

```
CREATE TABLE `familyentertainmentcenter`.`Buys` (  
  `FK_Customer_ID` INT NOT NULL,  
  `FK_Ticket_Code` INT NOT NULL,  
  INDEX `FK_Buys_Customer_idx` (`FK_Customer_ID` ASC) VISIBLE,  
  INDEX `FK_Buys_Ticket_idx` (`FK_Ticket_Code` ASC) VISIBLE,  
  CONSTRAINT `FK_Buys_Customer`  
    FOREIGN KEY (`FK_Customer_ID`)  
      REFERENCES `familyentertainmentcenter`.`customer` (`Customer ID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `FK_Buys_Ticket`  
    FOREIGN KEY (`FK_Ticket_Code`)  
      REFERENCES `familyentertainmentcenter`.`Ticket` (`Ticket Code`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION);
```

```
CREATE TABLE `familyentertainmentcenter`.`Prize` (  
  `Prize ID` INT NOT NULL,  
  `Prize Type` VARCHAR(80) NULL,  
  `Flavor` VARCHAR(80) NULL,  
  `Placement Tier` INT NULL,  
  `Size` INT NULL,  
  PRIMARY KEY (`Prize ID`));
```

```
CREATE TABLE `familyentertainmentcenter`.`game` (  
  `Game ID` INT NOT NULL,  
  `Game Name` VARCHAR(80) NULL,  
  `Game Type` VARCHAR(80) NULL,  
  `Game Description` VARCHAR(255) NULL,  
  `Game Image` VARCHAR(255) NULL,  
  `Game Price` INT NULL,  
  `Game Status` INT NULL,  
  PRIMARY KEY (`Game ID`));
```

```
`Game ID` INT NOT NULL,  
`Game Description` VARCHAR(500) NULL,  
`Arena Number` INT NULL,  
`FK_CenterID` INT NULL,  
`Lane Number` INT NULL,  
PRIMARY KEY (`Game ID`),  
INDEX `FK_Game_CenterID_idx` (`FK_CenterID` ASC) VISIBLE,  
CONSTRAINT `FK_Game_CenterID`  
  FOREIGN KEY (`FK_CenterID`)  
  REFERENCES `familyentertainmentcenter`.`familycenter` (`Center ID`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION);
```

```
CREATE TABLE `familyentertainmentcenter`.`Entry Pass` (  
  `Pass ID` INT NOT NULL,  
  `Date Purchase` DATETIME NULL,  
  `Group Discount` FLOAT NULL,  
  `Party Size` INT NULL,  
  `Price` FLOAT NULL,  
  PRIMARY KEY (`Pass ID`));
```

```
CREATE TABLE `familyentertainmentcenter`.`Earns` (  
  `FK_GameID` INT NOT NULL,  
  `FK_PrizeID` INT NOT NULL,  
  INDEX `FK_Earns_Game_idx` (`FK_GameID` ASC) VISIBLE,  
  INDEX `FK_Earns_Prize_idx` (`FK_PrizeID` ASC) VISIBLE,  
  CONSTRAINT `FK_Earns_Game`  
    FOREIGN KEY (`FK_GameID`)  
    REFERENCES `familyentertainmentcenter`.`game` (`Game ID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION,  
  CONSTRAINT `FK_Earns_Prize`  
    FOREIGN KEY (`FK_PrizeID`)  
    REFERENCES `familyentertainmentcenter`.`Prize` (`Prize ID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION);
```

```
CREATE TABLE `familyentertainmentcenter`.`Cost` (  
  `FK_GameID` INT NOT NULL,  
  `FK_Ticket_Code` INT NOT NULL,  
  INDEX `FK_Cost_Game_idx` (`FK_GameID` ASC) VISIBLE,  
  INDEX `FK_Cost_Ticket_idx` (`FK_Ticket_Code` ASC) VISIBLE,  
  CONSTRAINT `FK_Cost_Game`  
    FOREIGN KEY (`FK_GameID`)
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REFERENCES `familyentertainmentcenter`.`game` (`Game ID`)
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT `FK_Cost_Ticket`
FOREIGN KEY (`FK_Ticket_Code`)
REFERENCES `familyentertainmentcenter`.`Ticket` (`Ticket Code`)
ON DELETE NO ACTION
ON UPDATE NO ACTION);
```

```
CREATE TABLE `familyentertainmentcenter`.`Purchase` (
  `FK_CustomerID` INT NOT NULL,
  `FK_PassID` INT NOT NULL,
  INDEX `FK_Purchase_Customer_idx` (`FK_CustomerID` ASC) VISIBLE,
  INDEX `FK_Purchase_Pass_idx` (`FK_PassID` ASC) VISIBLE,
  CONSTRAINT `FK_Purchase_Customer`
    FOREIGN KEY (`FK_CustomerID`)
      REFERENCES `familyentertainmentcenter`.`customer` (`Customer ID`)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION,
  CONSTRAINT `FK_Purchase_Pass`
    FOREIGN KEY (`FK_PassID`)
      REFERENCES `familyentertainmentcenter`.`Entry Pass` (`Pass ID`)
        ON DELETE NO ACTION
        ON UPDATE NO ACTION);
```