# Podcast Database Part 5

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## Section 1:

```
CREATE TABLE Person (
PersonID        VARCHAR(11)       PRIMARY KEY,
Firstname       VARCHAR(100)      NOT NULL,
Lastname        VARCHAR(100)      NOT NULL,
Nickname        VARCHAR(50),
Title           VARCHAR(30),
Age             INTEGER(3)        NOT NULL,
Bio             TEXT(30,000),
ProfilePic      BLOB(65,535),
Linkedin        VARCHAR(100),
Twitter         VARCHAR(100),
Facebook        VARCHAR(100),
Wiki            VARCHAR(100),
Youtube         VARCHAR(100),
Instagram       VARCHAR(100));

CREATE TABLE Podcaster (
PersonID            VARCHAR(11)       REFERENCES Person (PersonID),
ExpertiseLevel      VARCHAR(30),
NativeLanguage      VARCHAR(30));

Create Table Guest (
PersonID            VARCHAR(11)       REFERENCES Person (PersonID),
Profession          VARCHAR(30));

CREATE TABLE Podcast (
PodID                     VARCHAR(11)       PRIMARY KEY,
PodcastFormat       VARCHAR(30),
Genre                     VARCHAR(40),
Title                     VARCHAR(40),
NumberOfEpisodes          INTEGER(5)        NOT NULL,
NumberOfSubscribers       INTEGER(15),
AgeRating                 VARCHAR(5),
Description               TEXT(30,000));


CREATE TABLE Episode (
EpID                VARCHAR(11)       PRIMARY KEY,
```

```
        EpDate              DATETIME,
        EpLength            TIME                NOT NULL,
        EpisodeNumber       INTEGER(5),
        ViewerCount         INTEGER(8),
        DownloadSize        INTEGER(7)          NOT NULL,
        Blurb               TEXT(30,000));

CREATE TABLE CuratedCollection (
        CurCollectionID     VARCHAR(11)             PRIMARY KEY,
        Name                VARCHAR(50),
        TrackSize           INTEGER(5),
        DateStarted         DATE,
        DateFinished        DATE,
        MaturityRating      VARCHAR(30),
        Description         TEXT(30,000));

CREATE TABLE Artwork (
        ArtworkID           VARCHAR(11)             PRIMARY KEY,
        Artist              VARCHAR(100),
        Theme               VARCHAR(50),
        Title               VARCHAR(100),
        DateCreated         DATE,
        SubjectMatter       VARCHAR(100),
        MeaningDescription  TEXT(30,000));


CREATE TABLE Platform (
        PlatformID          VARCHAR(11)         PRIMARY KEY,
        Name                VARCHAR(50),
        WebsiteURL          VARCHAR(100),
        Device              VARCHAR(50),
        DownloadLink        VARCHAR(100),
        Cost                FLOAT(3,2));


CREATE TABLE Rating     (
        EpID                VARCHAR(11),
        Review Comment      VARCHAR(200),
        NumberOfStars       VARCHAR(1),
        TimeAndDate         DATETIME,
        Username            VARCHAR(50),
        NumberOfLikes       INTEGER(11),
```

```
	CONSTRAINT Rating_TimeAndDate_Username_EpID_pk PRIMARY KEY
(TimeAndDate, Username, EpID),
	CONSTRAINT Rating_EpID_fk FOREIGN KEY (EpID) REFERENCES Episode
(EpID) ON DELETE CASCADE);

CREATE TABLE  RaterProfile (
	Username		VARCHAR(50)	PRIMARY KEY,
	RaterPic		BLOB(65535));
	CONSTRAINT RaterProfile_Username_pk PRIMARY KEY (Username),
	CONSTRAINT RaterProfile_Username_fk FOREIGN KEY (Username) REFERENCES
Rating (Username) ON DELETE CASCADE);


CREATE TABLE Hosts (
	PersonID		VARCHAR(11),
	PodID			VARCHAR(11),
	CONSTRAINT Hosts_PersonID_PodID_ PRIMARY KEY (PersonID, PodID),
	CONSTRAINT Hosts_PersonID_fk FOREIGN KEY (PersonID) REFERENCES
Podcaster (PersonID) ON DELETE CASCADE,
	CONSTRAINT Hosts_PodID_fk FOREIGN KEY (PodID) REFERENCES Podcast
(PodID) ON DELETE CASCADE);

CREATE TABLE AppearsIn (
	PersonID	VARCHAR(11),
	EpID		VARCHAR(11),
	CONSTRAINT AppearsIn_PersonID_EpID_pk PRIMARY KEY (PersonID, EpID),
	CONSTRAINT AppearsIn_fk FOREIGN KEY (PersonID) REFERENCES Guest
(PersonID) ON DELETE CASCADE,
	CONSTRAINT AppearsIn_fk FOREIGN KEY (EpID) REFERENCES Episode (EpID)
ON DELETE CASCADE);

CREATE TABLE RunOn (
	PlatformID		VARCHAR(11),
	PodID			VARCHAR(11),
	CONSTRAINT		RunOn_PlatformID_PodID_pk PRIMARY KEY (PlatformID,
PodID),
	CONSTRAINT RunOn_PlatformID_fk FOREIGN KEY (PlatformID) REFERENCES
Platform (PlatformID),
	CONSTRAINT RunOn_PodID_fk FOREIGN KEY (PodID) REFERENCES Podcast
(PodID));

CREATE TABLE Offers	(
```

```
	PodID		VARCHAR(11),
	CurCollectionID	VARCHAR(11),
	CONSTRAINT Offers_PodID_CurCollectionID_pk PRIMARY KEY(PodID,
CurCollectionID),
	CONSTRAINT Offers_PodID_fk FOREIGN KEY (PodID) REFERENCES Podcast
(PodID) ON DELETE CASCADE,
	CONSTRAINT Offers_CurCollectionID_fk FOREIGN KEY (CurCollectionID)
REFERENCES Curated Collection (CurCollectionID) ON DELETE CASCADE);

CREATE TABLE Debuts	(
	PodID		VARCHAR(11),
	EpID		VARCHAR(11),
	CONSTRAINT Debuts_EpID_pk PRIMARY KEY (EpID),
	CONSTRAINT Debuts_PodID_fk FOREIGN KEY (PodID) REFERENCES Podcast
(PodID) ON DELETE CASCADE,
	CONSTRAINT Debuts_EpID_fk FOREIGN KEY (EpID) REFERENCES Episode
(EpID) ON DELETE CASCADE);

CREATE TABLE IsListedUnder	(
	CurCollectionID	VARCHAR(11),
	EpID		VARCHAR(11),
	CONSTRAINT IsListedUnder_CurCollectionID_EpID_pk PRIMARY KEY
(CurCollectionID, EpID),
	CONSTRAINT IsListedUnder_CurCollectionID_fk FOREIGN KEY(CurCollectionID)
REFERENCES Curated Collection (CurCollectionID) ON DELETE CASCADE,
	CONSTRAINT IsListedUnder_EpID_fk FOREIGN KEY(EpID) REFERENCES
Episode (EpID) ON DELETE CASCADE);

CREATE TABLE Presents	(
	EpID VARCHAR(11),
	ArtworkID VARCHAR(11),
	CONSTRAINT Presents_ArtworkID_pk PRIMARY KEY (ArtworkID),
	CONSTRAINT Presents_ArtworkID_fk FOREIGN KEY (ArtworkID) REFERENCES
Artwork (ArtworkID) ON DELETE CASCADE,
	CONSTRAINT Presents_EpID_fk FOREIGN KEY (EpID) REFERENCES Episode
(EpID) ON DELETE CASCADE);
```

Explanation of changes to the above Initial Relations from Part 4:

-We split the table "Rating" into two smaller tables: "Rating" and "RaterProfile" because the original Rating table did not satisfy the criteria for 3NF and BCNF normal forms. The new tables are structured as: Rating(TimeAndDate, Username, EpID, Review, NumberOfStars, NumberOfLikes), and RaterProfile(Username, RaterPic), with Rating having as primary key attributes TimeAndDate, Username, and EpID, whereas in RaterProfile the key is Username. EpID and Username are set to be unique in both tables, while RaterPic is set to be unique in RaterProfile.

-Changes in data types of attributes:

1. Person.age from integer(3) to "int" due to suitability of "int" type
2. Person.Bio from text(30000) to mediumtext due to suitability of "mediumtext" type
3. Person.ProfilePic from BLOB(65,535) to simply "blob", the size could not be specified
4. Podcast.NumberOfEpisodes and Podcast.NumberOfSubscribers from integer(5) and integer(15) respectively to simply "int", the size could not be specified
5. Podcast.Description from text(30000) to "mediumtext" due to suitability of "mediumtext" type
6. Episode.EpDate, Episode.EpLength, Episode.EpisodeNumber, Episode.ViewerCount, Episode.DownloadSize from "datetime", "time", "integer(5)", "integer(8)", and "integer(7)" respectively, all changed to varchar(20) to avoid any potential date and/or time format errors; and to provide 20 chars for large EpisodeNumber, ViewerCount, or DownloadSize. Also, to enable entering "MB" or "GB" with download size.
7. Episode.Blurb from text(30000) to "mediumtext" due to suitability of "mediumtext" type for the purpose
8. CuratedCollection's attributes data types for attributes CurCollectionID, Name, TrackSize, DateStarted, DateFinished, MaturityRating, Description, changed to: varchar(50), varchar(20), varchar(20), varchar(20), varchar(20), mediumtext respectively (from varchar(11), varchar(50), integer(5), date, date, varchar(30), text(30000), respectively) due to suitability of the varchar(50), varchar(20) and mediumtext types for the purpose, and to avoid date/time format-related errors, or track size format errors.
9. Artwork.SubjectMatter data type increased in size from varchar(100) to varchar(1000) to allow for longer artwork subject descriptions. Artwork.MeaningDescription data type changed from text(30000) to mediumtext due to better suitability of "mediumtext" type.
10. Platform.Cost data type changed from float(3,2) to varchar(20) to allow for currency signs ($ for example).
11. Rating.NumberOfStars data type increased from varchar(1) to varchar(20) to allow for textual input ("one", "two",...), Rating.NumberOfLikes changed from integer(11) to int due to integer(11) not being available.

- WebsiteURL in relation "Platform" is no longer considered a candidate key, and is therefore not designated as a key in the database table, and not given a status of "unique" attribute, because we realized that two different URLs can be made to point to the same website.

**Section 2:**

List of SQL CREATE TABLE commands:

1) Person:

```
CREATE TABLE `Person` (
 `PersonID` varchar(11) NOT NULL,
 `Firstname` varchar(100) NOT NULL,
 `Lastname` varchar(100) NOT NULL,
 `Nickname` varchar(50) DEFAULT NULL,
 `Title` varchar(30) DEFAULT NULL,
 `Age` int DEFAULT NULL,
 `Bio` mediumtext,
 `ProfilePic` blob,
 `Linkedin` varchar(100) DEFAULT NULL,
 `Twitter` varchar(100) DEFAULT NULL,
 `Facebook` varchar(100) DEFAULT NULL,
 `Wiki` varchar(100) DEFAULT NULL,
 `Youtube` varchar(100) DEFAULT NULL,
 `Instagram` varchar(100) DEFAULT NULL,
 PRIMARY KEY (`PersonID`),
 UNIQUE KEY `PersonID` (`PersonID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

2) Podcaster:

```
CREATE TABLE `Podcaster` (
 `PersonID` varchar(11) NOT NULL,
 `ExpertiseLevel` varchar(30) DEFAULT NULL,
 `NativeLanguage` varchar(30) DEFAULT NULL,
 PRIMARY KEY (`PersonID`),
 UNIQUE KEY `PersonID` (`PersonID`),
 CONSTRAINT `podcaster_ibfk_1` FOREIGN KEY (`PersonID`) REFERENCES `Person`
(`PersonID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

3) Guest:

```
CREATE TABLE `Guest` (
 `PersonID` varchar(11) NOT NULL,
 `Profession` varchar(30) DEFAULT NULL,
 PRIMARY KEY (`PersonID`),
 UNIQUE KEY `PersonID` (`PersonID`),
 CONSTRAINT `guest_ibfk_1` FOREIGN KEY (`PersonID`) REFERENCES `Person`
(`PersonID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

4) Podcast:

```
CREATE TABLE `Podcast` (
 `PodID` varchar(11) NOT NULL,
 `PodcastFormat` varchar(30) DEFAULT NULL,
 `Genre` varchar(40) DEFAULT NULL,
 `Title` varchar(40) DEFAULT NULL,
 `NumberOfEpisodes` int NOT NULL,
 `NumberOfSubscribers` int DEFAULT NULL,
 `AgeRating` varchar(5) DEFAULT NULL,
 `Description` mediumtext,
 PRIMARY KEY (`PodID`),
 UNIQUE KEY `PodID` (`PodID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

5) Episode:

```
CREATE TABLE `Episode` (
 `EpID` varchar(11) NOT NULL,
 `EpDate` varchar(20) DEFAULT NULL,
 `EpLength` varchar(20) NOT NULL,
 `EpisodeNumber` varchar(20) DEFAULT NULL,
 `ViewerCount` varchar(20) DEFAULT NULL,
 `DownloadSize` varchar(20) NOT NULL,
 `Blurb` mediumtext,
 PRIMARY KEY (`EpID`),
 UNIQUE KEY `EpID` (`EpID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

6) CuratedCollection:

```
CREATE TABLE `CuratedCollection` (
 `CurCollectionID` varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT
NULL,
 `Name` varchar(50) DEFAULT NULL,
 `TrackSize` varchar(20) DEFAULT NULL,
 `DateStarted` varchar(20) DEFAULT NULL,
 `DateFinished` varchar(20) DEFAULT NULL,
 `MaturityRating` varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
DEFAULT NULL,
 `Description` mediumtext,
 PRIMARY KEY (`CurCollectionID`),
 UNIQUE KEY `CurCollectionID` (`CurCollectionID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 7) Artwork:

```
CREATE TABLE `Artwork` (
 `ArtworkID` varchar(11) NOT NULL,
 `Artist` varchar(100) DEFAULT NULL,
 `Theme` varchar(50) DEFAULT NULL,
 `Title` varchar(100) DEFAULT NULL,
 `DateCreated` date DEFAULT NULL,
 `SubjectMatter` varchar(1000) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
DEFAULT NULL,
 `MeaningDescription` mediumtext,
 PRIMARY KEY (`ArtworkID`),
 UNIQUE KEY `ArtworkID` (`ArtworkID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 8) Platform:

```
CREATE TABLE `Platform` (
 `PlatformID` varchar(11) NOT NULL,
 `Name` varchar(50) DEFAULT NULL,
 `WebsiteURL` varchar(100) DEFAULT NULL,
 `Device` varchar(50) DEFAULT NULL,
 `DownloadLink` varchar(100) DEFAULT NULL,
 `Cost` varchar(20) DEFAULT NULL,
 PRIMARY KEY (`PlatformID`),
 UNIQUE KEY `PlatformID` (`PlatformID`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 9) Rating:

```
CREATE TABLE `Rating` (
 `EpID` varchar(11) NOT NULL,
 `ReviewComment` varchar(200) DEFAULT NULL,
 `NumberOfStars` varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci
DEFAULT NULL,
 `TimeAndDate` datetime NOT NULL,
 `Username` varchar(50) NOT NULL,
 `NumberOfLikes` int DEFAULT NULL,
 PRIMARY KEY (`TimeAndDate`,`Username`,`EpID`),
 UNIQUE KEY `EpID` (`EpID`),
 UNIQUE KEY `Username_2` (`Username`),
 CONSTRAINT `Rating_EpID_fk` FOREIGN KEY (`EpID`) REFERENCES `Episode` (`EpID`) ON
DELETE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 10) Hosts:

```
CREATE TABLE `Hosts` (
 `PersonID` varchar(11) NOT NULL,
 `PodID` varchar(11) NOT NULL,
 PRIMARY KEY (`PersonID`,`PodID`),
 KEY `hosts_ibfk_1` (`PodID`),
 CONSTRAINT `hosts_ibfk_1` FOREIGN KEY (`PodID`) REFERENCES `Podcast` (`PodID`) ON
DELETE CASCADE ON UPDATE CASCADE,
 CONSTRAINT `Hosts_PersonID_fk` FOREIGN KEY (`PersonID`) REFERENCES `Podcaster`
(`PersonID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 11) AppearsIn:

```
CREATE TABLE `AppearsIn` (
 `PersonID` varchar(11) NOT NULL,
 `EpID` varchar(11) NOT NULL,
 PRIMARY KEY (`PersonID`,`EpID`),
 KEY `appearsin_ibfk_1` (`EpID`),
 CONSTRAINT `appearsin_ibfk_1` FOREIGN KEY (`EpID`) REFERENCES `Episode`
(`EpID`) ON DELETE CASCADE ON UPDATE CASCADE,
 CONSTRAINT `PersonID` FOREIGN KEY (`PersonID`) REFERENCES `Guest`
(`PersonID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 12) RunOn:

```
CREATE TABLE `RunOn` (
 `PlatformID` varchar(11) NOT NULL,
 `PodID` varchar(11) NOT NULL,
 PRIMARY KEY (`PlatformID`,`PodID`),
 KEY `runon_ibfk_1` (`PodID`),
 KEY `runon_ibfk_2` (`PlatformID`) USING BTREE,
 CONSTRAINT `runon_ibfk_1` FOREIGN KEY (`PodID`) REFERENCES `Podcast` (`PodID`) ON
DELETE CASCADE ON UPDATE CASCADE,
 CONSTRAINT `RunOn_PlatformID_fk` FOREIGN KEY (`PlatformID`) REFERENCES `Platform`
(`PlatformID`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 13) Offers:

```
CREATE TABLE `Offers` (
 `PodID` varchar(11) NOT NULL,
 `CurCollectionID` varchar(11) NOT NULL,
 PRIMARY KEY (`PodID`,`CurCollectionID`),
 KEY `CurCollectionID` (`CurCollectionID`),
 CONSTRAINT `offers_ibfk_1` FOREIGN KEY (`CurCollectionID`) REFERENCES
`CuratedCollection` (`CurCollectionID`) ON DELETE CASCADE,
 CONSTRAINT `Offers_PodID_fk` FOREIGN KEY (`PodID`) REFERENCES `Podcast` (`PodID`)
ON DELETE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 14) Debuts:

```
CREATE TABLE `Debuts` (
 `PodID` varchar(11) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
 `EpID` varchar(11) NOT NULL,
 PRIMARY KEY (`EpID`),
 UNIQUE KEY `EpID` (`EpID`),
 KEY `debuts_ibfk_1` (`PodID`),
 CONSTRAINT `Debuts_EpID_fk` FOREIGN KEY (`EpID`) REFERENCES `Episode` (`EpID`)
ON DELETE CASCADE,
 CONSTRAINT `debuts_ibfk_1` FOREIGN KEY (`PodID`) REFERENCES `Podcast` (`PodID`)
ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 15) IsListedUnder:

```
CREATE TABLE `IsListedUnder` (
 `CurCollectionID` varchar(11) NOT NULL,
 `EpID` varchar(11) NOT NULL,
 PRIMARY KEY (`CurCollectionID`,`EpID`),
 KEY `EpID` (`EpID`),
 CONSTRAINT `IsListedUnder_CurCollectionID_fk` FOREIGN KEY (`CurCollectionID`)
REFERENCES `CuratedCollection` (`CurCollectionID`) ON DELETE CASCADE,
 CONSTRAINT `islistedunder_ibfk_1` FOREIGN KEY (`EpID`) REFERENCES `Episode` (`EpID`)
ON DELETE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 16) Presents:

```
CREATE TABLE `Presents` (
 `EpID` varchar(11) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
 `ArtworkID` varchar(11) NOT NULL,
 PRIMARY KEY (`ArtworkID`),
 UNIQUE KEY `ArtworkID` (`ArtworkID`),
 KEY `Presents_EpID_fk` (`EpID`),
 CONSTRAINT `Presents_ArtworkID_fk` FOREIGN KEY (`ArtworkID`) REFERENCES `Artwork`
(`ArtworkID`) ON DELETE CASCADE,
 CONSTRAINT `Presents_EpID_fk` FOREIGN KEY (`EpID`) REFERENCES `Episode` (`EpID`)
ON DELETE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## 17) RaterProfile:

```
CREATE TABLE `RaterProfile` (
 `RaterPic` blob,
 `Username` varchar(50) NOT NULL,
 PRIMARY KEY (`Username`),
 UNIQUE KEY `Username_2` (`Username`),
 CONSTRAINT `raterprofile_ibfk_1` FOREIGN KEY (`Username`) REFERENCES `Rating`
(`Username`) ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

## Section 3:

---

**AppearsIn EXPLAIN:**

```
EXPLAIN AppearsIn
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PersonID | varchar(11) | NO | PRI | *NULL* | |
| EpID | varchar(11) | NO | PRI | *NULL* | |

**AppearsIn SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM AppearsIn
```

+ Options

| COUNT(*) |
|---|
| 45 |

---

**Artwork EXPLAIN:**

```
EXPLAIN Artwork
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| ArtworkID | varchar(11) | NO | PRI | *NULL* | |
| Artist | varchar(100) | YES | | *NULL* | |
| Theme | varchar(50) | YES | | *NULL* | |
| Title | varchar(100) | YES | | *NULL* | |
| DateCreated | date | YES | | *NULL* | |
| SubjectMatter | varchar(1000) | YES | | *NULL* | |
| MeaningDescription | mediumtext | YES | | *NULL* | |

**Artwork SELECT COUNT:**

```
SELECT COUNT(*) FROM Artwork
```

+ Options

| COUNT(*) |
|---|
| 40 |

---

**CuratedCollection EXPLAIN:**

```
EXPLAIN CuratedCollection
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| CurCollectionID | varchar(20) | NO | PRI | *NULL* | |
| Name | varchar(50) | YES | | *NULL* | |
| TrackSize | varchar(20) | YES | | *NULL* | |
| DateStarted | varchar(20) | YES | | *NULL* | |
| DateFinished | varchar(20) | YES | | *NULL* | |
| MaturityRating | varchar(20) | YES | | *NULL* | |
| Description | mediumtext | YES | | *NULL* | |

**CuratedCollection SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM CuratedCollection
```

+ Options

| COUNT(*) |
|---|
| 81 |

---

**Debuts EXPLAIN:**

```
EXPLAIN Debuts
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PodID | varchar(11) | NO | MUL | NULL | |
| EpID | varchar(11) | NO | PRI | NULL | |

**Debuts SELECT COUNT:**

```
SELECT COUNT(*) FROM Debuts
```

+ Options

| COUNT(*) |
|---|
| 202 |

---

**Episode EXPLAIN:**

```
EXPLAIN Episode
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| EpID | varchar(11) | NO | PRI | NULL | |
| EpDate | varchar(20) | YES | | NULL | |
| EpLength | varchar(20) | NO | | NULL | |
| EpisodeNumber | varchar(20) | YES | | NULL | |
| ViewerCount | varchar(20) | YES | | NULL | |
| DownloadSize | varchar(20) | NO | | NULL | |
| Blurb | mediumtext | YES | | NULL | |

**Episode SELECT COUNT:**

```
SELECT COUNT(*) FROM Episode
```

+ Options

| COUNT(*) |
|---|
| 401 |

---

**Guest EXPLAIN:**

```
EXPLAIN Guest
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PersonID | varchar(11) | NO | PRI | *NULL* | |
| Profession | varchar(30) | YES | | *NULL* | |

**Guest SELECT COUNT**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM Guest
```

+ Options

| COUNT(*) |
|---|
| 46 |

---

**Hosts EXPLAIN:**

```
EXPLAIN Hosts
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PersonID | varchar(11) | NO | PRI | *NULL* | |
| PodID | varchar(11) | NO | PRI | *NULL* | |

**Hosts SELECT COUNT:**

```
SELECT COUNT(*) FROM Hosts
```

+ Options

| COUNT(*) |
|---|
| 60 |

---

**IsListedUnder EXPLAIN:**

```
EXPLAIN IsListedUnder
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| CurCollectionID | varchar(11) | NO | PRI | *NULL* | |
| EpID | varchar(11) | NO | PRI | *NULL* | |

**IsListedUnder SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM IsListedUnder
```

+ Options

| COUNT(*) |
|---|
| 399 |

---

**Offers EXPLAIN:**

```
EXPLAIN Offers
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PodID | varchar(11) | NO | PRI | *NULL* | |
| CurCollectionID | varchar(11) | NO | PRI | *NULL* | |

**Offers SELECT COUNT:**

```
SELECT COUNT(*) FROM Offers
```

+ Options

| COUNT(*) |
|---|
| 41 |

---

**Person EXPLAIN:**

```
EXPLAIN Person
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PersonID | varchar(11) | NO | PRI | *NULL* | |
| Firstname | varchar(100) | NO | | *NULL* | |
| Lastname | varchar(100) | NO | | *NULL* | |
| Nickname | varchar(50) | YES | | *NULL* | |
| Title | varchar(30) | YES | | *NULL* | |
| Age | int | YES | | *NULL* | |
| Bio | mediumtext | YES | | *NULL* | |
| ProfilePic | blob | YES | | *NULL* | |
| Linkedin | varchar(100) | YES | | *NULL* | |
| Twitter | varchar(100) | YES | | *NULL* | |
| Facebook | varchar(100) | YES | | *NULL* | |
| Wiki | varchar(100) | YES | | *NULL* | |
| Youtube | varchar(100) | YES | | *NULL* | |
| Instagram | varchar(100) | YES | | *NULL* | |

**Person SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM Person
```

+ Options

| COUNT(*) |
|---|
| 94 |

---

**Platform EXPLAIN:**

```
EXPLAIN Platform
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PlatformID | varchar(11) | NO | PRI | NULL | |
| Name | varchar(50) | YES | | NULL | |
| WebsiteURL | varchar(100) | YES | | NULL | |
| Device | varchar(50) | YES | | NULL | |
| DownloadLink | varchar(100) | YES | | NULL | |
| Cost | varchar(20) | YES | | NULL | |

**Platform SELECT COUNT:**

```
SELECT COUNT(*) FROM Platform
```

+ Options

| COUNT(*) |
|---|
| 50 |

---

**Podcast EXPLAIN:**

```
EXPLAIN Podcast
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PodID | varchar(11) | NO | PRI | NULL | |
| PodcastFormat | varchar(30) | YES | | NULL | |
| Genre | varchar(40) | YES | | NULL | |
| Title | varchar(40) | YES | | NULL | |
| NumberOfEpisodes | int | NO | | NULL | |
| NumberOfSubscribers | int | YES | | NULL | |
| AgeRating | varchar(5) | YES | | NULL | |
| Description | mediumtext | YES | | NULL | |

**Podcast SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM Podcast
```

+ Options

| COUNT(*) |
|---|
| 57 |

---

**Podcaster EXPLAIN:**

```
EXPLAIN Podcaster
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PersonID | varchar(11) | NO | PRI | NULL | |
| ExpertiseLevel | varchar(30) | YES | | NULL | |
| NativeLanguage | varchar(30) | YES | | NULL | |

**Podcaster SELECT COUNT:**

```
SELECT COUNT(*) FROM Podcaster
```

+ Options

| COUNT(*) |
|---|
| 48 |

---

**Presents EXPLAIN:**

```
EXPLAIN Presents
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| EpID | varchar(11) | NO | MUL | *NULL* | |
| ArtworkID | varchar(11) | NO | PRI | *NULL* | |

**Presents SELECT COUNT:**

```
SELECT COUNT(*) FROM Presents
```

+ Options

| COUNT(*) |
|---|
| 40 |

---

**RaterProfile EXPLAIN:**

```
EXPLAIN RaterProfile
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| RaterPic | blob | YES | | *NULL* | |
| Username | varchar(50) | NO | PRI | *NULL* | |

**RaterProfile SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM RaterProfile
```

+ Options

| COUNT(*) |
|---|
| 84 |

---

**Rating EXPLAIN:**

```
EXPLAIN Rating
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| EpID | varchar(11) | NO | PRI | *NULL* | |
| ReviewComment | varchar(200) | YES | | *NULL* | |
| NumberOfStars | varchar(20) | YES | | *NULL* | |
| TimeAndDate | datetime | NO | PRI | *NULL* | |
| Username | varchar(50) | NO | PRI | *NULL* | |
| NumberOfLikes | int | YES | | *NULL* | |

**Rating SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM Rating
```

+ Options

| COUNT(*) |
|---|
| 84 |

---

**RunOn EXPLAIN:**

```
Explain RunOn
```

+ Options

| Field | Type | Null | Key | Default | Extra |
|---|---|---|---|---|---|
| PlatformID | varchar(11) | NO | PRI | *NULL* | |
| PodID | varchar(11) | NO | PRI | *NULL* | |

**RunOn SELECT COUNT:**

Your SQL query has been executed successfully.

```
SELECT COUNT(*) FROM RunOn
```

+ Options

| COUNT(*) |
|---|
| 49 |

---

## Section 4:

**INSERT data from the Podcast "Science Vs":**

Insert Statement and data

```
INSERT INTO Podcast (PodID, PodcastFormat, Genre, Title,
NumberOfEpisodes, AgeRating, Description)
VALUES ('102',  'Informational', 'Educational', 'Science Vs', '151',
'M', '
There are a lot of fads, blogs and strong opinions, but then there's
SCIENCE. Science Vs is the show from Gimlet that finds out what's fact,
what's not, and what's somewhere in between. We do the hard work of
sifting through all the science so you don't have to and cover
everything from 5G and Pandemics, to Vaping and Fasting Diets.');
```

Successful Insertion

```
SELECT * FROM Podcast WHERE Title='Science Vs'
```

Show all | Number of rows: 25 Filter rows: Search this table

+ Options

| | PodID | PodcastFormat | Genre | Title | NumberOfEpisodes | NumberOfSubscribers | AgeRating | Description |
|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 0000000102 | Informational | Educational | Science Vs | 151 | *NULL* | M | There are a lot o |

Check all *With selected:* Edit Copy Delete Export

**DELETE Person 98 Who's Nickname is :**

Selection of PersonID #98

```
SELECT * FROM `Person` WHERE PersonID = '98'
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP co

Show all | Number of rows: 25 Filter rows: Search this table

+ Options

| | PersonID | Firstname | Lastname | Nickname | Title | Age |
|---|---|---|---|---|---|---|
| Edit Copy Delete | 98 | Berty | Cayton | lisinopril | Dr | 51 |

Delete Statement

```
DELETE FROM Person WHERE Nickname = 'lisinopril'
```

Successful Deletion

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0002 seconds.)

```
SELECT * FROM Person WHERE PersonID = '98'
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP co

| PersonID | Firstname | Lastname | Nickname | Title | Age | Bio | ProfilePic | Linkedin | Twitter | Facel |
|---|---|---|---|---|---|---|---|---|---|---|

Query results operations

Create view

**UPDATE data from Person "PersonID#14":**

Update Statement

```
1 UPDATE Person SET Firstname = 'Joseph', Lastname = 'Rogan', Nickname = 'Joe', Title = 'Mr.', Age = '53', Bio = 'Joseph James Rogan
(born August 11, 1967) is an American comedian, podcast host, and UFC color commentator. He has also worked as a television host and
an actor. Rogan began his career in comedy in August 1988 in the Boston area. ... From 2001 to 2006, he was the host of Fear
Factor.', LinkedIn = 'https://www.linkedin.com/in/joe-rogan-b86574111', Twitter = '@joerogan', Facebook =
'https://www.facebook.com/JOEROGAN/', Wiki = 'https://en.wikipedia.org/wiki/Joe_Rogan', Youtube =
'https://www.youtube.com/user/PowerfulJRE', Instagram = '@joerogan' WHERE PersonId = 14;
```

Successful Update

```
SELECT * FROM Person WHERE PersonID = '14'
```

Show all | Number of rows: 25 Filter rows: Search this table

+ Options

| | PersonID | Firstname | Lastname | Nickname | Title | Age | Bio | ProfilePic | Linkedin |
|---|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 14 | Joseph | Rogan | Joe | Mr. | 53 | Joseph James Rogan (born August 11, 1967) is an Am... | [BLOB - 56 B] | https://www.linkedin.com/in/joe-rogan-b86574111 |

Check all *With selected:* Edit Copy Delete Export

Show all | Number of rows: 25 Filter rows: Search this table

**OBSERVATIONS:**

Observation 1) At a certain point we wanted to see the greatest PodcastID value by using a SELECT and MAX() command. However the command didn't quite reach the max value so we used an alternative command.

Here is the selection using MAX()

Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

```
SELECT MAX(PodID) FROM Podcast
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create

Show all | Number of rows: 25 Filter rows: Search this table

+ Options

| MAX(PodID) |
|---|
| 99 |

And here is the selection using ‘>’ to double check if it was indeed the max.

```
SELECT PodID FROM Podcast WHERE PodID > 99
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create P

Show all | Number of rows: 25 Filter rows: Search this table S

+ Options

| ←T→ | PodID |
|---|---|
| Edit Copy Delete | 100 |
| Edit Copy Delete | 101 |
| Edit Copy Delete | 102 |

Check all *With selected:* Edit Copy Delete Export

Show all | Number of rows: 25 Filter rows: Search this table S

I don't quite understand why the MAX() wouldn’t return 102. Whatever the case there is more than one way to check the maximum value anyway.

Observation 2) While inserting tuples and specifically text data we had occasional error messages regarding the mediumtext data. It would sometimes trip on the use of ( ‘ ) in words such as “don’t”. This problem was rare and inconsistent but still created a problem.

Why?

```
INSERT INTO Podcast (PodID, PodcastFormat, Genre, Title,
NumberOfEpisodes, AgeRating, Description)
VALUES ('102', 'Informational', 'Educational', 'Science Vs', '151',
'M', '
There are a lot of fads, blogs and strong opinions, but then there’s
SCIENCE. Science Vs is the show from Gimlet that finds out what’s fact,
what’s not, and what’s somewhere in between. We do the hard work of
sifting through all the science so you don’t have to and cover
everything from 5G and Pandemics, to Vaping and Fasting Diets.');
```

?

1. **INSERT, UPDATE, and DELETE on AppearsIn table**

1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO AppearsIn (EpID, PersonID) VALUES ("987654321","987654321")
```

[Edit inline] [ Edit ] [ Create PHP code ]

1 row affected. (Query took 0.0020 seconds.)

```
UPDATE `AppearsIn` SET `PersonID`="987654321",`EpID`="5000" WHERE PersonID="987654321"
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM AppearsIn WHERE EpID = 5000
```

Observations: We noticed that we can edit (update) all attribute fields in one UPDATE statements, by separating them with commas

2. **INSERT, UPDATE, and DELETE on Artwork table**

1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO Artwork (ArtworkID) VALUES (123456789)
```

0 rows affected. (Query took 0.0002 seconds.)

```
UPDATE Artwork SET Title = "some beautiful renaissance painting" WHERE ArtworkID = 987654321
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM `Artwork` WHERE ArtworkID ="1"
```

**Observation:** After executing the intended commands in the Artwork Table, there were no alarming alterations. However, changes can be seen outside of the table, such in the Presents Table, where the tuple containing ArtworkID =”1” can no longer be found.

3. **INSERT, UPDATE, and DELETE on CurCollection table**

1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO CuratedCollection (CurCollectionID) VALUES ("987654321")
```

1 row affected. (Query took 0.0020 seconds.)

```
UPDATE CuratedCollection SET Name="mycollection" WHERE CurCollectionID = 987654321
```

0 rows affected. (Query took 0.0002 seconds.)

```
DELETE FROM `CuratedCollection` WHERE CurCollectionID ="43000"
```

**Observation:** We observed that spaces are not necessary next to "=" sign in UPDATE statement

4. **INSERT, UPDATE, and DELETE on Debuts table**

1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO `Debuts`(`PodID`, `EpID`) VALUES ("1","5000")
```

1 row affected. (Query took 0.0022 seconds.)

```
UPDATE `Debuts` SET `PodID`="2",`EpID`="5000" WHERE PodID="1" AND EpID="5000"
```

0 rows affected. (Query took 0.0002 seconds.)

```
DELETE FROM `Debuts` WHERE EpID ="2" AND PodID="5000"
```

**Observation:** A noticeable observation that can be seen in the Debuts tables is that in order to update the table the EpID also needed to be stated. This was in order to prevent any duplicates from being accidently updated, For example, to prevent a Podcast with ID "1" from having 10 tuples of the same Episode, each EpID is required to be stated for uniqueness.

5. **INSERT, UPDATE, and DELETE on Episode table**

1 row inserted. (Query took 0.0022 seconds.)

```
INSERT INTO Episode (EpID, EpDate, EpLength, EpisodeNumber, DownloadSize) Values ('402',
'6/14/2016', '01:46:13', '32', '54')
```

[Edit inline] [ Edit ] [ Create PHP

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE Episode SET EpID = '403' WHERE EpID = '402'
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM Episode WHERE EpID = '403'
```

**Observation:** This table was relatively simple in terms of processing commands.

6. **INSERT, UPDATE, and DELETE on Guest table**

1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO Guest (PersonID) VALUES ("987654321")
```

1 row affected. (Query took 0.0020 seconds.)

```
UPDATE Guest SET Profession = "Artist" WHERE PersonID=987654321
```

[Edit inline] [ Edit ] [ Cre

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM Guest WHERE PersonID = 987654321
```

[Edit inline] [ Edit ] [ Create PHP code ]

Observation: We noticed that we do not need to specify all the attributes in parentheses in INSERT statement; we can just specify the PersonID

7. **INSERT, UPDATE, and DELETE on Hosts table**

1 row inserted. (Query took 0.0019 seconds.)

```
INSERT INTO Hosts (PersonID, PodID) VALUES ('98', '600')
```

Show query box

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE Hosts SET PodID = '5000' WHERE PersonID ='98'
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM Hosts WHERE PersonID = '98'
```

Observations: It is enough to specify the value fort just one attribute for the DELETE statement to erase the whole tuple

8. **INSERT, UPDATE, and DELETE on IsListedUnder table**

1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO `IsListedUnder`(`CurCollectionID`, `EpID`) VALUES ("2000","5000")
```

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE `IsListedUnder` SET `CurCollectionID`="2000",`EpID`="350" WHERE EpID="5000"
```

0 rows affected. (Query took 0.0002 seconds.)

```
DELETE FROM `IsListedUnder` WHERE EpID ="100"
```

**Observation:** A few observations can be made in the IsListedUnder table, which connects the Curated Collection and Episode tables. When attempting to insert a new tuple into the table, the system considered the table to be a child table with constraints preventing the action from occurring. Updating and Deleting worked fine, where a change in the Epsiode table can be seen in the IsListedUnder table. The EpisodeID value was set at 2000, but changed in Episode which simultaneously changed the ID in the IsListedUnder Table.

9. **INSERT, UPDATE, and DELETE on Offers table**

✔ 1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO `Offers`(`PodID`, `CurCollectionID`) VALUES ("5000","2000")
```

✔ 1 row affected. (Query took 0.0020 seconds.)

```
UPDATE `Offers` SET `PodID`="5000",`CurCollectionID`="10" WHERE CurCollectionID="2000"
```

✔ 1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM `Offers` WHERE PodID="5000"
```

**Observation:** No problems occurred while executing the given commands on the table.

10. **INSERT, UPDATE, and DELETE on Person table**

✔ 1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO Person (PersonID, Firstname, Lastname, Nickname, Title, Age, Bio, Linkedin, Twitter,
Facebook, Wiki, Youtube, Instagram) VALUES ('98', 'Angela', 'Bennet', 'Angie', 'Ms.', '26', 'id
consequat in consequat ut nulla sed accumsan felis ut at dolor quis odio',
'https://robohash.org/ettotamodit.png?size=50x50&set=set1',
'http://google.fr/convallis/eget/eleifend/luctus/ultricies/eu/nibh.js?pharetra=convallis&magn',
'http://homestead.com/dictumst/morbi.xml?
faucibus=in&cursus=felis&urna','https://docs.microsoft.com/en-us/learn/certifications/browse/?
jobrole=developer', 'https://login.libproxy.csustan.edu', 'https://blog.lime.link/4-ways-to-check-
the-popularity-of-a-podcast/')
```

[Edit inline] [ Edit ] [ Create PHP code ]

Show query box

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE Person SET PersonID = '99' WHERE PersonID = '98'
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM Person WHERE PersonID = '99'
```

**Observation:** PersonID key effected multiple tables, so we had to be aware of the order of commands we executed. For instance we could not show INSERT, UPDATE and DELETE commands for a tuple in 'Hosts' if we already had done so for the tuple with the same PersonID in the Person table.

**11. INSERT, UPDATE, and DELETE on Platform table**

1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO `Platform`(`PlatformID`, `Name`, `WebsiteURL`, `Device`, `DownloadLink`, `Cost`) VALUES ("1000","The
Mdeia","www.google.com","Computer","https://dropbox.com/google","$100.00")
```

[E

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE `Platform` SET `PlatformID`="1000",`Name`="CS4250 Club",`WebsiteURL`="https://www.cs.csustan.edu/~mthomas/cs4250
/",`Device`="Computer",`DownloadLink`="https://www.cs.csustan.edu/~mthomas/cs4250/project5.html",`Cost`="$2.50" WHERE PlatformID ="1000"
```

[Edit inline] [ Edit ] [ Create Ph

1 row affected. (Query took 0.0007 seconds.)

```
DELETE FROM `Platform` WHERE PlatformID = "10"
```

**Observation:** The execution of the commands on the Platform table saw no errors.

**12. INSERT, UPDATE, and DELETE on Podcast table**

✔ 1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO Podcast (PodId, PodcastFormat, Genre, Title, NumberOfEpisodes, NumberOfSubscribers,
AgeRating, Description) VALUES ('104', 'Audio', 'Technology', 'Tech and Me', '99', '12435', 'PG13', 'I
try to learn how to use technology.')
```

[Edit inline] [ Edit ] [ Create PHP code ]

✔ 1 row affected. (Query took 0.0020 seconds.)

```
UPDATE Podcast SET PodID = '105' WHERE PodID = '104'
```

✔ 1 row affected. (Query took 0.0021 seconds.)

```
DELETE FROM Podcast WHERE PodID = '105'
```

Observations: We can use single quotation marks (‘’) to designate the attribute values in both UPDATE and DELETE statements

**13. INSERT, UPDATE, and DELETE on Podcaster table**

✔ 1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO Podcaster (PersonID) VALUES ('98')
```

✔ 40 rows affected. (Query took 0.0021 seconds.)

```
UPDATE Podcaster SET ExpertiseLevel = 'Professional'
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM Podcaster WHERE PersonID = '98'
```

Observations: It is possible to write the whole statement in a single line, we do not need to separate DELETE from WHERE part and put them in different lines

**14. INSERT, UPDATE, and DELETE on Presents table**

1 row inserted. (Query took 0.0068 seconds.)

```
INSERT INTO `Presents`(`EpID`, `ArtworkID`) VALUES ("5000","3000")
```

1 row affected. (Query took 0.0020 seconds.)

```
UPDATE `Presents` SET `EpID`="350",`ArtworkID`="3000" WHERE EpID="5000"
```

1 row affected. (Query took 0.0021 seconds.)

```
DELETE FROM `Presents` WHERE EpID="5000"
```

**Observation:** When inserting data into the Presents table, the execution of the insert command failed to process. The reason behind this is due to the lack of data in the Epsidoe table. Originally there was no Episode with ID 5000, and this prevented the system from inserting data since no such Episode with ID 5000 existed.

**15. INSERT, UPDATE, and DELETE on RaterProfile table**

1 row inserted. (Query took 0.0021 seconds.)

```
INSERT INTO RaterProfile (RaterPic, Username) VALUES ("https://robohash.org/facilisnobisaut.png?size=50x50&set=set1", "ikik")
```

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE `RaterProfile` SET `RaterPic`="https://robohash.org/repellendusetdolore.png?size=50x50&set=set1",`Username`="WILLLLLLLLLLLLLLLLLLLLLLLLLLLLLSON" WHERE Username="aagglioz"
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM RaterProfile WHERE Username = "ikik"
```

**Observation:** The RaterProfile table did not see any errors when going through the commands.

## 16. INSERT, UPDATE, and DELETE on Rating table

1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO Rating (Username, EpID, TimeAndDate) VALUES ("ikik", "1111", "2020-05-12 02:30:02" )
```

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE Rating SET ReviewComment = "somethingsomething" WHERE EpID = "1111"
```

1 row affected. (Query took 0.0021 seconds.)

```
DELETE FROM `Rating` WHERE Username = "victorcardenas"
```

**Observation:**
We noticed that TimeAndDate required a specific time/date format in INSERT, with date and then time of the day specified

**17. INSERT, UPDATE, and DELETE on RunOn table**

1 row inserted. (Query took 0.0020 seconds.)

```
INSERT INTO `RunOn`(`PlatformID`, `PodID`) VALUES ("1000","5000")
```

1 row affected. (Query took 0.0021 seconds.)

```
UPDATE `RunOn` SET `PlatformID`="20",`PodID`="5000" WHERE PodID ="5000"
```

1 row affected. (Query took 0.0020 seconds.)

```
DELETE FROM `RunOn` WHERE PodID="5000"
```

**Observation:** No alarming errors occurred when executing the commands for the RunOn table. However when updating the tuple with PodID “5000” the PlatformID was going to be set to 10, but since the PlatformID “10” was deleted in the above example, this gave an error saying no such Platform entry existed.

## Section 5:

Most of the data found in our podcast database was generated from the Mockaroo website https://mockaroo.com/ that was provided as a useful tool in the resource section of the assignment page. The data was carefully examined to match attributes for our real world Podcast examples and constructed to be unique for each corresponding key, so that no duplicates were made in the process. The method of acquiring the data used in our database was to save the data files provided by Mockaroo as .CSV files and use the import feature found in phpmyadmin. This method allowed for a straightforward and relatively seamless import on all our relation tables. However on a few occasions while importing data, a certain issue would occur where myphpadmin viewed certain data that we were trying to import as incorrect datatypes. What resulted was the need to change the datatypes for the few attributes where the problem arose. These changes can be noticed primarily in our Episode relation, where the attributes were changed to varchar to avoid the data format issues.

## Section 6: Samples of tuples for each relation

1) "Person" table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Person limit 8
```

+ Options

| | PersonID | Firstname | Lastname | Nickname | Title | Age | Bio | ProfilePic | Linkedin | Twitter |
|---|---|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | Carita | Judron | Phenylephrine HCl | Mrs | 33 | Lorem ipsum dolor sit amet, consectetuer adipiscin... | [BLOB - 59 B] | https://who.int/nibh/in/lectus/pellentesque/at.asp... | https://barnesandnoble.com/et/ultrices/posuere/cub... |
| Edit Copy Delete | 10 | Janette | Lisciandro | Janney | Honorable | 38 | Donec quis orci eget orci vehicula condimentum. Cu... | [BLOB - 71 B] | https://a8.net/imperdiet/nullam.json | https://berkeley.edu/montes/nascetur/ridiculus/mus... |
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| Edit Copy Delete | 12 | Nikolos | Sperski | Androgel | Mrs | 74 | In hac habitasse platea dictumst. Morbi vestibulum... | [BLOB - 59 B] | https://phpbb.com/consequat/nulla/nisl/nunc/nisl/d... | http://ucoz.com/pellentesque/eget/nunc/donec.json |
| Edit Copy Delete | 13 | Riva | Arminger | CVS Sore Throat Mixed Berry Flavor | Rev | 84 | Proin eu mi. Nulla ac enim. In tempor, turpis nec ... | [BLOB - 62 B] | http://europa.eu/faucibus/cursus.js | http://canalblog.com/gravida/sem/praesent/id/massa... |
| Edit Copy Delete | 14 | Joseph | Rogan | Joe | Mr. | 53 | Joseph James Rogan (born August 11, 1967) is an Am... | [BLOB - 56 B] | https://www.linkedin.com/in/joe-rogan-b86574111 | @joerogan |
| Edit Copy Delete | 15 | Lucias | Hodcroft | Zolpidem Tartrate | Ms | 79 | Morbi odio odio, elementum eu, interdum eu, tincid... | [BLOB - 65 B] | https://yellowpages.com/mauris/enim/leo/rhoncus/se... | http://networksolutions.com/integer/aliquet/massa.... |
| Edit Copy Delete | 16 | Stavros | Bowich | Bayberry | Rev | 32 | Nam nulla. Integer pede justo, lacinia eget, tinci... | [BLOB - 54 B] | http://home.pl/nunc/donec/quis.json | https://ameblo.jp/id/consequat.xml |

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rofiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh]

| Facebook | Wiki | Youtube | Instagram |
|---|---|---|---|
| https://abc.net.au/platea/dictumst.html | https://columbia.edu/enim/leo/rhoncus.js | https://twitter.com/sodales.jsp | http://mozilla.com/velit/id/pretium/iaculis/diam/e... |
| https://quantcast.com/diam/erat/fermentum.jsp | http://wufoo.com/odio/elementum/eu/interdum/eu/tin... | https://pcworld.com/amet/justo/morbi/ut/odio/cras/... | http://ihg.com/integer/aliquet.jsp |
| http://sitemeter.com/nunc/viverra/dapibus/nulla/su... | https://gnu.org/non/lectus/aliquam/sit/amet.html | http://squidoo.com/varius.png | http://wp.com/at/nulla/suspendisse/potenti/cras.js |
| http://zdnet.com/vitae/ipsum/aliquam/non/mauris/mo... | http://wisc.edu/habitasse/platea/dictumst/morbi/ve... | http://zdnet.com/magna/at.xml | https://hibu.com/augue/vestibulum/rutrum/rutrum/ne... |
| https://themeforest.net/vestibulum.png | https://auda.org.au/massa/donec/dapibus.jpg | https://liveinternet.ru/sed/accumsan/felis/ut/at/d... | https://nih.gov/fringilla/rhoncus/mauris/enim/leo.... |
| https://www.facebook.com/JOEROGAN/ | https://en.wikipedia.org/wiki/Joe_Rogan | https://www.youtube.com/user/PowerfulJRE | @joerogan |
| http://msu.edu/tincidunt/lacus/at/velit/vivamus/ve... | http://mozilla.com/justo/in/blandit.png | http://ocn.ne.jp/curae/donec/pharetra.jsp | https://ovh.net/consequat.xml |
| https://imdb.com/at/feugiat/non/pretium/quis.json | http://gizmodo.com/turpis/enim/blandit/mi/in.xml | https://nps.gov/mattis/pulvinar/nulla/pede/ullamco... | http://flickr.com/pharetra/magna/ac/consequat/metu... |

2) “Podcaster” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Podcaster limit 8
```

+ Options

| | PersonID | ExpertiseLevel | NativeLanguage |
|---|---|---|---|
| Edit Copy Delete | 1 | Beginner | Gagauz |
| Edit Copy Delete | 10 | Intermediate | Latvian |
| Edit Copy Delete | 11 | Professional | Lithuanian |
| Edit Copy Delete | 12 | Beginner | Tswana |
| Edit Copy Delete | 13 | Professional | Azeri |
| Edit Copy Delete | 14 | Beginner | Dari |
| Edit Copy Delete | 15 | Expert | Pashto |
| Edit Copy Delete | 16 | Expert | Armenian |

Check all *With selected:* Edit Copy Delete Export

3) “Guest” table:

Showing rows 0 - 7 (8 total, Query took 0.0001 seconds.)

```
select * from Guest limit 8
```

+ Options

| | PersonID | Profession |
|---|---|---|
| Edit Copy Delete | 51 | Structural Analysis Engineer |
| Edit Copy Delete | 52 | Compensation Analyst |
| Edit Copy Delete | 53 | Professor |
| Edit Copy Delete | 54 | Project Manager |
| Edit Copy Delete | 55 | Nuclear Power Engineer |
| Edit Copy Delete | 56 | Pharmacist |
| Edit Copy Delete | 57 | Human Resources Assistant II |
| Edit Copy Delete | 58 | Office Assistant III |

Check all *With selected:* Edit Copy Delete Export

4) “Podcast” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Podcast limit 8
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP code ]

+ Options

| | PodID | PodcastFormat | Genre | Title | NumberOfEpisodes | NumberOfSubscribers | AgeRating | Description |
|---|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | Audio | Technology | risus dapibus augue vel | 60 | 8068036 | PG-13 | Duis aliquam convallis nunc. Proin at turpis a ped... |
| Edit Copy Delete | 10 | Video | News | sed ante vivamus tortor duis | 26 | 1394518 | PG-13 | Nullam porttitor lacus at turpis. Donec posuere me... |
| Edit Copy Delete | 100 | Video | Technology | nec molestie sed justo pellentesque | 2 | 8027230 | PG-13 | Phasellus sit amet erat. Nulla tempus. Vivamus in ... |
| Edit Copy Delete | 101 | Video | News | eleifend pede | 4 | 9657427 | PG-13 | Suspendisse potenti. In eleifend quam a odio. In h... |
| Edit Copy Delete | 102 | Informational | Educational | Science Vs | 151 | 9234882 | M | There are a lot of fads, blogs and strong opinio... |
| Edit Copy Delete | 12 | Audio | Science | at nibh in hac habitasse | 33 | 1682191 | PG-13 | Aenean fermentum. Donec ut mauris eget massa tempo... |
| Edit Copy Delete | 14 | Video | Self-Help | natoque penatibus et magnis dis | 94 | 5433157 | PG-13 | In hac habitasse platea dictumst. Morbi vestibulum... |
| Edit Copy Delete | 15 | Audio | History | tincidunt nulla mollis molestie | 13 | 9516263 | PG-13 | Maecenas tristique, est et tempus semper, est quam... |

Check all *With selected:* Edit Copy Delete Export

5) “Episode” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Episode limit 8
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [

+ Options

| | EpID | EpDate | EpLength | EpisodeNumber | ViewerCount | DownloadSize | Blurb |
|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | 7/28/2020 16:56 | 16:20:51 | 56 | 780527 | 76 | Vestibulum ante ipsum primis in faucibus orci luct... |
| Edit Copy Delete | 10 | 6/16/2020 17:09 | 13:19:23 | 98 | 715860 | 158 | Proin leo odio, porttitor id, consequat in, conseq... |
| Edit Copy Delete | 100 | 6/10/2020 12:20 | 21:50:31 | 220 | 265483 | 159 | Fusce consequat. Nulla nisl. |
| Edit Copy Delete | 101 | 9/18/2020 14:44 | 00:23:07 | 254 | 40097 | 156 | Donec vitae nisi. |
| Edit Copy Delete | 102 | 9/8/2020 11:24 | 02:38:41 | 1 | 788119 | 64 | In hac habitasse platea dictumst. |
| Edit Copy Delete | 103 | 9/1/2020 20:14 | 19:25:22 | 149 | 988761 | 21 | Quisque id justo sit amet sapien dignissim vestibu... |
| Edit Copy Delete | 104 | 12/15/2020 2:13 | 02:40:12 | 205 | 725293 | 101 | Duis mattis egestas metus. Aenean fermentum. Donec... |
| Edit Copy Delete | 105 | 4/1/2021 12:15 | 09:50:56 | 64 | 635962 | 156 | Vestibulum ac est lacinia nisi venenatis tristique... |

Check all *With selected:* Edit Copy Delete Export

6) “CuratedCollection” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from CuratedCollection limit 8
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [

+ Options

| | CurCollectionID | Name | TrackSize | DateStarted | DateFinished | MaturityRating | Description |
|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | Domainer | 61 | 2020-03-25 | 2020-09-28 | Explict | Duis bibendum. Morbi non quam nec dui luctus rutru... |
| Edit Copy Delete | 10 | Subin | 59 | 2020-02-16 | 2021-03-17 | Explict | Nulla ut erat id mauris vulputate elementum. Nulla... |
| Edit Copy Delete | 11 | Zoolab | 12 | 2020-02-01 | 2020-07-02 | Explict | Aenean lectus. Pellentesque eget nunc. Donec quis ... |
| Edit Copy Delete | 12 | Pannier | 59 | 2019-05-09 | 2020-10-30 | Explict | Cum sociis natoque penatibus et magnis dis parturi... |
| Edit Copy Delete | 13 | Sonair | 33 | 2020-03-31 | 2021-03-21 | Explict | Nullam sit amet turpis elementum ligula vehicula c... |
| Edit Copy Delete | 14 | Veribet | 3 | 2019-09-13 | 2020-10-17 | Explict | Vestibulum quam sapien, varius ut, blandit non, in... |
| Edit Copy Delete | 15 | Matsoft | 67 | 2019-06-25 | 2020-07-30 | PG-13 | Mauris enim leo, rhoncus sed, vestibulum sit amet,... |
| Edit Copy Delete | 16 | Ronstring | 84 | 2019-12-27 | 2020-08-14 | PG-13 | Sed ante. Vivamus tortor. Duis mattis egestas metu... |

Check all *With selected:* Edit Copy Delete Export

7) “Artwork” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Artwork limit 8
```

Profiling [Edit inline] [ Edit ] [ Explain SQL ] [ Create PHP code

+ Options

| | ArtworkID | Artist | Theme | Title | DateCreated | SubjectMatter | MeaningDescription |
|---|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | Boyd | Drama\|Mystery\|Sci-Fi | Atlas Shrugged: Who Is John Galt? (Atlas Shrugged:... | 2004-10-16 | aliquet pulvinar sed nisl nunc rhoncus dui vel sem... | lectus aliquam sit amet diam in magna bibendum imp... |
| Edit Copy Delete | 10 | Aloise | Documentary | Devil Hides in Doubt (Sollbruchstelle) | 2019-02-06 | amet lobortis sapien sapien non mi integer ac nequ... | sodales sed tincidunt eu felis fusce posuere felis... |
| Edit Copy Delete | 11 | Camella | Drama | Othello | 2019-10-27 | non mi integer ac neque duis bibendum morbi non qu... | hac habitasse platea dictumst morbi vestibulum vel... |
| Edit Copy Delete | 12 | Sherie | Drama | Niagara, Niagara | 2018-02-18 | pede ullamcorper augue a suscipit nulla elit ac nu... | justo aliquam quis turpis eget elit sodales sceler... |
| Edit Copy Delete | 13 | Fabiano | Comedy\|Musical | Around the World | 2011-04-04 | porta volutpat quam pede lobortis ligula sit amet ... | donec posuere metus vitae ipsum aliquam non mauris... |
| Edit Copy Delete | 14 | Gardy | Action\|Drama\|Mystery | Naan Kadavul | 2019-10-07 | sed lacus morbi sem mauris laoreet ut rhoncus aliq... | diam in magna bibendum imperdiet nullam orci pede ... |
| Edit Copy Delete | 15 | Emlen | Drama\|Romance | Undertow (Contracorriente) | 2003-04-19 | urna pretium nisl ut volutpat sapien arcu sed augu... | ridiculus mus etiam vel augue vestibulum rutrum ru... |
| Edit Copy Delete | 16 | Neall | Comedy\|Drama | Wish You Were Here | 2014-05-19 | tristique est et tempus semper est quam pharetra m... | semper porta volutpat quam pede lobortis ligula si... |

Check all *With selected:* Edit Copy Delete Export

8) “Platform” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Platform limit 8
```

Profiling [Edit in

+ Options

| | PlatformID | Name | WebsiteURL | Device | DownloadLink | Cost |
|---|---|---|---|---|---|---|
| Edit Copy Delete | 1 | Greenlam | oakley.com | Computer | http://narod.ru/phasellus/id/sapien/in/sapien/iacu... | $10.61 |
| Edit Copy Delete | 10 | Cardguard | ning.com | Tablet | https://wordpress.org/in/leo.html | $6.58 |
| Edit Copy Delete | 11 | Konklux | freewebs.com | Smartphone | https://dropbox.com/condimentum.aspx | $7.85 |
| Edit Copy Delete | 12 | Y-Solowarm | pcworld.com | Computer | http://1und1.de/id.aspx | $10.95 |
| Edit Copy Delete | 13 | Span | jigsy.com | Computer | https://phpbb.com/primis/in/faucibus/orci/luctus/e... | $10.84 |
| Edit Copy Delete | 14 | Aerified | cbc.ca | Tablet | http://imgur.com/fermentum/donec/ut/mauris/eget/ma... | $10.19 |
| Edit Copy Delete | 15 | Andalax | reverbnation.com | Smartphone | https://cocolog-nifty.com/id/nulla.png | $5.22 |
| Edit Copy Delete | 16 | Cardify | umich.edu | Smartphone | http://harvard.edu/justo/etiam/pretium/iaculis/jus... | $3.60 |

Check all *With selected:* Edit Copy Delete Export

9) “Rating” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Rating limit 8
```

Profiling [Edit inline] [ Edit ] [ Ex

+ Options

| | EpID | ReviewComment | NumberOfStars | TimeAndDate | Username | NumberOfLikes |
|---|---|---|---|---|---|---|
| Edit Copy Delete | 33 | Nulla nisl. Nunc nisl. Duis bibendum, felis sed in... | 4 | 2020-05-05 09:33:14 | nhastlerw | 48 |
| Edit Copy Delete | 20 | Pellentesque at nulla. | 5 | 2020-05-07 01:58:25 | ibroadberriej | 115 |
| Edit Copy Delete | 7 | Fusce congue, diam id ornare imperdiet, sapien urn... | 2 | 2020-05-12 02:30:02 | pzannuto6 | 348 |
| Edit Copy Delete | 25 | Etiam vel augue. Vestibulum rutrum rutrum neque. A... | 4 | 2020-05-15 17:07:14 | gphilcoxo | 189 |
| Edit Copy Delete | 75 | Cras non velit nec nisi vulputate nonummy. | 1 | 2020-05-19 15:27:02 | tkirkland22 | 73 |
| Edit Copy Delete | 64 | Etiam pretium iaculis justo. In hac habitasse plat... | 2 | 2020-05-21 16:24:36 | abraferton1r | 26 |
| Edit Copy Delete | 38 | Vestibulum ante ipsum primis in faucibus orci luct... | 5 | 2020-05-24 10:09:05 | glequeux11 | 193 |
| Edit Copy Delete | 8 | Fusce consequat. Nulla nisl. Nunc nisl. | 5 | 2020-05-28 07:41:03 | rfurmenger7 | 58 |

Check all *With selected:* Edit Copy Delete Export

10) “RaterProfile” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from RaterProfile limit 8
```

+ Options

| | RaterPic | Username |
|---|---|---|
| Edit Copy Delete | [BLOB - 65 B] | aagglioz |
| Edit Copy Delete | [BLOB - 63 B] | abentall15 |
| Edit Copy Delete | [BLOB - 72 B] | abibbie2m |
| Edit Copy Delete | [BLOB - 63 B] | abraferton1r |
| Edit Copy Delete | [BLOB - 65 B] | aduffanp |
| Edit Copy Delete | [BLOB - 65 B] | adutt1p |
| Edit Copy Delete | [BLOB - 57 B] | aflatt1z |
| Edit Copy Delete | [BLOB - 76 B] | aimlacke1m |

Check all *With selected:* Edit Copy Delete Export

11) “Hosts” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Hosts limit 8
```

+ Options

| | PersonID | PodID |
|---|---|---|
| Edit Copy Delete | 31 | 1 |
| Edit Copy Delete | 4 | 10 |
| Edit Copy Delete | 8 | 100 |
| Edit Copy Delete | 42 | 101 |
| Edit Copy Delete | 16 | 12 |
| Edit Copy Delete | 39 | 12 |
| Edit Copy Delete | 36 | 15 |
| Edit Copy Delete | 47 | 19 |

Check all *With selected:* Edit Copy Delete Export

12) “AppearsIn” table:

Showing rows 0 - 7 (8 total, Query took 0.0001 seconds.)

```
select * from AppearsIn limit 8
```

+ Options

| | PersonID | EpID |
|---|---|---|
| Edit Copy Delete | 52 | 123 |
| Edit Copy Delete | 71 | 134 |
| Edit Copy Delete | 97 | 139 |
| Edit Copy Delete | 69 | 147 |
| Edit Copy Delete | 59 | 149 |
| Edit Copy Delete | 68 | 165 |
| Edit Copy Delete | 79 | 169 |
| Edit Copy Delete | 56 | 176 |

Check all *With selected:* Edit Copy Delete Export

13) “RunOn” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from RunOn limit 8
```

+ Options

| | PlatformID | PodID |
|---|---|---|
| Edit Copy Delete | 1 | 1 |
| Edit Copy Delete | 5 | 1 |
| Edit Copy Delete | 10 | 10 |
| Edit Copy Delete | 14 | 10 |
| Edit Copy Delete | 12 | 12 |
| Edit Copy Delete | 16 | 12 |
| Edit Copy Delete | 14 | 14 |
| Edit Copy Delete | 18 | 14 |

Check all *With selected:* Edit Copy Delete Export

14) “Offers” table:

Showing rows 0 - 7 (8 total, Query took 0.0001 seconds.)

```
select * from Offers limit 8
```

+ Options

| | PodID | CurCollectionID |
|---|---|---|
| Edit Copy Delete | 1 | 1 |
| Edit Copy Delete | 10 | 10 |
| Edit Copy Delete | 12 | 12 |
| Edit Copy Delete | 14 | 14 |
| Edit Copy Delete | 15 | 15 |
| Edit Copy Delete | 16 | 16 |
| Edit Copy Delete | 18 | 18 |
| Edit Copy Delete | 19 | 19 |

Check all *With selected:* Edit Copy Delete Export

15) “Debuts” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Debuts limit 8
```

+ Options

| | PodID | EpID |
|---|---|---|
| Edit Copy Delete | 1 | 1 |
| Edit Copy Delete | 1 | 109 |
| Edit Copy Delete | 1 | 163 |
| Edit Copy Delete | 1 | 217 |
| Edit Copy Delete | 1 | 271 |
| Edit Copy Delete | 1 | 325 |
| Edit Copy Delete | 1 | 379 |
| Edit Copy Delete | 1 | 55 |

Check all *With selected:* Edit Copy Delete Export

16) “IsListedUnder” table:

Showing rows 0 - 7 (8 total, Query took 0.0001 seconds.)

```
select * from IsListedUnder limit 8
```

+ Options

| | CurCollectionID | EpID |
|---|---|---|
| Edit Copy Delete | 1 | 1 |
| Edit Copy Delete | 10 | 10 |
| Edit Copy Delete | 20 | 100 |
| Edit Copy Delete | 21 | 101 |
| Edit Copy Delete | 22 | 102 |
| Edit Copy Delete | 23 | 103 |
| Edit Copy Delete | 24 | 104 |
| Edit Copy Delete | 25 | 105 |

Check all *With selected:* Edit Copy Delete Export

17) “Presents” table:

Showing rows 0 - 7 (8 total, Query took 0.0002 seconds.)

```
select * from Presents limit 8
```

+ Options

| | EpID | ArtworkID |
|---|---|---|
| Edit Copy Delete | 1 | 1 |
| Edit Copy Delete | 104 | 10 |
| Edit Copy Delete | 112 | 12 |
| Edit Copy Delete | 117 | 11 |
| Edit Copy Delete | 118 | 13 |
| Edit Copy Delete | 119 | 15 |
| Edit Copy Delete | 12 | 14 |
| Edit Copy Delete | 130 | 17 |

Check all *With selected:* Edit Copy Delete Export

**Section 7:**
Project members contact information and contribution:
Victor Cardenas (email: vcardenas4@csustan.edu); Helped load the relations in the database in Section 2 as well as import data into the database. Also worked on Section 5 of the assignment. Helped with Section 4 (trying out the INSERT, DELETE and UPDATE commands), and provided screenshots.

Nicholas Guzman (email: nguzman9@csustan.edu); Helped write and load tables into database in Section 2. Screenshotted executions of SELECT COUNT and EXPLAIN commands in Section 3. Worked on Section 4 by sampling different commands, and made some observations. Helped with Section 4 (trying out the INSERT, DELETE and UPDATE commands), and provided screenshots.

Kristijan Hornung (email: khornung@csustan.edu); helped explain changes to the initial relations from Part 4 in Section 1, provided the SQL CREATE TABLE statements in Section 2, helped set the foreign key constraints in relationship tables to match the schema requirements, set certain attributes to "Unique" in all tables where that was applicable, helped with section 6 (samples of tuples for each relation). Helped with Section 4 (trying out the INSERT, DELETE and UPDATE commands).