#### Join and Unions Lab Answers

#### Lab 1: Inner Join (Query Syntax)

```
songGenres = (from row in songs
join genreRow in genres
on row.GenreId equals genreRow.GenreId
select new SongGenre {
    SongId = row.SongId,
    SongName = row.SongName,
    Artist = row.Artist,
    Album = row.Album,
    GenreId = row.GenreId,
    GenreName = genreRow.Genre
  }).OrderBy(row => row.GenreId).ToList();
```

### Lab 1: Inner Join (Method Syntax)

### Lab 2: One to Many (Query Syntax)

### Lab 2: One to Many (Method Syntax)

# Lab 3: Union using Comparer (Query Syntax)

# Lab 3: Union using Comparer (Method Syntax)

```
songs = songs1
.Union(songs2, sc)
.OrderBy(row => row.SongName).ToList();
```

### Lab 4: UnionBy() Method Query Syntax)

# Lab 4: UnionBy() Method (Method Syntax)

```
songs = songs1.UnionBy(songs2, row => row.SongId)
.OrderBy(row => row.SongName).ToList();
```