

# First(), Last() and Single() Methods Lab Answers

## Lab 1: FirstOrDefault (Query Syntax)

```
value = (from row in songs
         select row)
         .FirstOrDefault(row => row.GenreId == 17);
```

## Lab 1: FirstOrDefault (Method Syntax)

```
value = songs.FirstOrDefault(row => row.GenreId == 17);
```

## Lab 2: LastOrDefault (Query Syntax)

```
value = (from row in songs select row)
         .LastOrDefault(row => row.GenreId == 17);
```

## Lab 2: LastOrDefault (Method Syntax)

```
value = songs.LastOrDefault(row => row.GenreId == 17);
```

## Lab 3: FirstOrDefault with Default (Query Syntax)

```
value = (from row in songs select row)
    .FirstOrDefault(row => row.GenreId == 1777,
    new Song { SongId = -1, SongName = "Genre Not Found"
    });
```

## Lab 3: FirstOrDefault with Default (Method Syntax)

```
value = songs.FirstOrDefault(row => row.GenreId == 1777,
    new Song { SongId = -1, SongName = "Genre Not Found"
    });
```

## Lab 4: LastOrDefault with Default (Query Syntax)

```
value = (from row in songs select row)
    .LastOrDefault(row => row.GenreId == 1777,
    new Song { SongId = -1, SongName = "Genre Not Found"
    });
```

## Lab 4: LastOrDefault with Default (Method Syntax)

```
value = songs.LastOrDefault(row => row.GenreId == 1777,  
    new Song { SongId = -1, SongName = "Genre Not Found"  
});
```

## Lab 5: First (Query Syntax)

```
value = (from row in songs select row)  
    .First(row => row.GenreId == 17);
```

## Lab 5: First (Method Syntax)

```
value = songs.First(row => row.GenreId == 17);
```

## Lab 6: Last (Query Syntax)

```
value = (from row in songs select row)  
    .Last(row => row.GenreId == 1777);
```

## Lab 6: Last (Method Syntax)

```
value = songs.Last(row => row.GenreId == 1777);
```

## Lab 7: Single (Query Syntax)

```
value = (from row in songs select row)  
        .Single(row => row.SongId == 1);
```

## Lab 7: Single (Method Syntax)

```
value = songs.Single(row => row.SongId == 1);
```