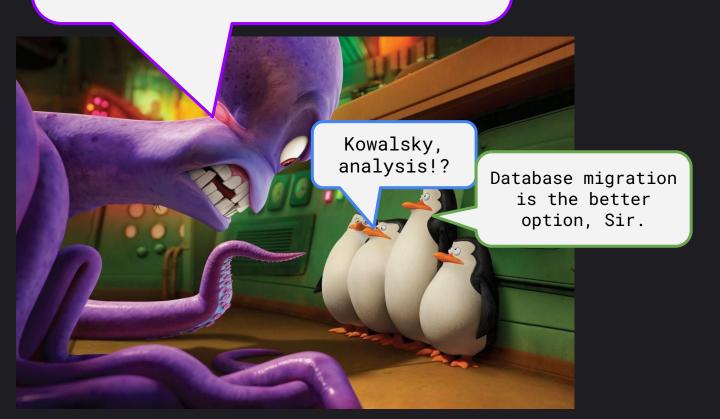




## Room Migrations

I need to add a new column to my existing table.

I have users using the app. After this change, they should be able to update the app without losing data. Database migration or die, what do you choose?





```
val MIGRATION_1_2 = object : Migration(1, 2) {
    override fun migrate(database: SupportSQLiteDatabase) {
        val sql = "ALTER TABLE favorite_movies" ADD COLUMN movieId INTEGER NOT NULL DEFAULT 0"
        database.execSQL(sql)
    }
}
Column
    name
Table name
```



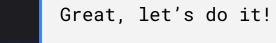
It is very important we define a default value to existing entries

```
val MIGRATION_1_2 = object : Migration(1, 2) {
    override fun migrate(database: SupportSQLiteDatabase) {
      val sql = "ALTER TABLE `favorite_movies` ADD COLUMN `movieId` INTEGER NOT NULL DEFAULT 0"
      database.execSQL(sql)
    }
}
```



We already define the start version and the end version...

```
val MIGRATION_1_2 = object : Migration 1 2 {
    override fun migrate(database: SupportSQLiteDatabase) {
        val sql = "ALTER TABLE `favorite_movies` ADD COLUMN `movieId` INTEGER NOT NULL DEFAULT 0"
        database.execSQL(sql)
    }
}
```









```
Room.databaseBuilder(
androidContext(),
DataBaseFactory::class.java,
name: "MovieDBAppDataBase"
) RoomDatabase.Builder<DataBaseFactory>
.addMigrations(MIGRATION_1_2)
.fallbackToDestructiveMigration()
.build() DataBaseFactory
.favoriteMoviesDAO()
```

Database version updated!



```
@Entity(tableName = "favorite_movies")
data class FavoriteMovieDTO(
    @PrimaryKey(autoGenerate = true)
    val id: Int? = null,
    val votesAverage: Float,
   val title: String,
    val posterImageUrl: String?,
    val backdropImageUrl: String?,
    val overview: String,
    val releaseDate: String,
    val language: String,
   val popularity: Float,
   val movieId: Long,
```

