Case Study – Data Types

Welcome to Books & Books! Now that you are familiar with the Books&Books database, let’s investigate some of the data we have.

The IT department is not sure of which data types its database contains. They’ve asked you to help them understand what are the implications behind the data types that the books and authors tables contain.

If you don’t have the books\_db loaded into MySQL, return to 2-Basic Querying / Case Study / books\_db.sql and make sure you run the code before attempting this case study.

Some of the exercises in this case study do not require code, only answers that you will find answered in the exercise\_solutions.sql file.

[🔥 – Exercises that may have not been covered throughout the lectures and may require some research/google searches!](https://emojipedia.org/fire/)

**Exercise 1 – Describe the books table from the books\_and\_books database.**

**Exercise 2 – What is data type of the BookName variable? Write your answer as a comment on your sql file and check the answer on the exercise\_solutions.sql file.**

**Exercise 3 – What’s the maximum amount of characters that each BookName can have?**

**🔥 Exercise 4 – What is the primary key of the books table?**

**Exercise 5 – Is the Author First name data type and size appropriate for the expected values of this field?**

**Exercise 6 – Apply the logarithm to the column BookName times 5. Is this a valid calculation?**

**🔥 Exercise 7 – Which book will have a logarithm applied to the BookName, as SQL is able to implicitly convert it?**

**Exercise 8 – Describe the authors table from the books and books database.**

**🔥 Exercise 9 – Can the author ID have negative numbers?**