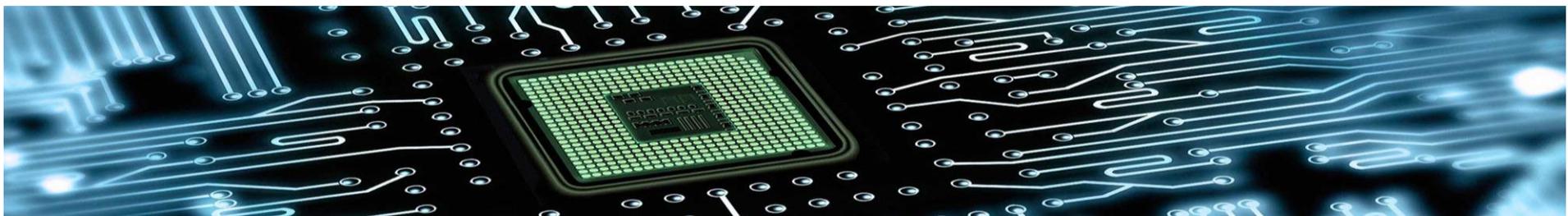# Bullers Wood Year 12
Computer Science A Level - Summer Task

Due in September 2023

- A level CS – Download and use the latest version of Python to complete the database section on [Python Database Tutorial – GeeksforGeeks](#)

- Over the tutorial you will develop a database using Sqlite to represent a small off-license. You will have to create a stock list, where you can add, delete, amend, sort and search entries made.

- Your code must be have comments and make notes of any section you find difficult.
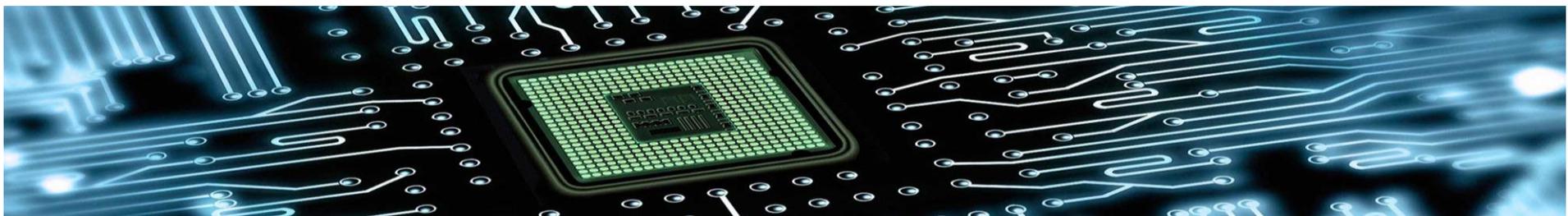
The screenshot to the right is the section on the link that you should focus on.

Feel free to challenge yourselves and continue with more tutorials from the website.

One section that might be interesting to everyone is the **Python Tkinter Tutorial** which focuses on creating a user interface.

Python SQLite

Python SQLite3 module is used to integrate the SQLite database with Python. It is a standardized Python DBI API 2.0 and provides a straightforward and simple-to-use interface for interacting with SQLite databases. There is no need to install this module separately as it comes along with Python after the 2.5x version.

Introduction

- Introduction to SQLite in Python
- Python SQLite – Connecting to Database
- SQLite Datatypes and its Corresponding Python Types

Python SQLite Queries

- Python SQLite – Cursor Object
- Python SQLite – Create Table
- Python SQLite – Insert Data
- Python SQLite – Select Data from Table
- Python SQLite – WHERE Clause
- Python SQLite – ORDER BY Clause
- Python SQLite – LIMIT Clause
- Python SQLite – JOIN Clause
- Python SQLite – Deleting Data in Table
- Python SQLite – DROP Table
- Python SQLite – Update Data
- Python SQLite – Update Specific Column

Note: For more information, refer to our detailed Python SQLite3 Tutorial