Advanced Excel Skills, Python Programming Concepts and Data Structures

- 1. What is a pivot table in Excel, and what is its primary use?
- 2. Describe how you would use the VLOOKUP function to find data in an Excel spreadsheet. Provide an example.
- 3. Describe the general structure of a Python program. What are the key components that make up a Python script?
- 4. Explain the difference between a list and a dictionary in Python. Provide an example of each.
- 5. Explain how branching (conditional statements) and loops (cycles) are implemented in Python. Provide an example of each.
- 6. Write a Python function that takes an integer as input and returns whether the number is prime. Use a loop in your implementation.

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