



CFGDEGREE

FOUNDATION TRACK 1 EXAM MATERIAL RELEASE

THEORY QUESTIONS

SECTION	MARK
Theory Questions	26
Multiple Choice Questions	10
Code/Query Evaluation	15
Coding Challenge	25
TOTAL	76

Important notes:

- This document shares the first section of the Foundation Exam which is composed of 8 Theory Questions
- You have 24 hours before the exam to complete these questions.
- It is worth just over a third of your total Foundation Exam mark
- If any plagiarism is found in how you choose to answer a question you will receive a 0 and the instance will be recorded. Consequences will occur if this is a repeated offence. You can remind yourself of the plagiarism policy [here](#).

Section 1: Theory Questions [26 marks]

1.1 Explain the difference between a primary key and a foreign key.	2 marks
1.2 What is the role of the `finally` block in Python exception handling and how would you use it.	2 marks
1.3 Explain the difference between a commit and a push in Git.	2 marks
1.4 Provide examples of two web APIs and describe their functionalities	4 marks
1.5 Describe four tasks in the role of the Product Owner in Agile development	4 marks
1.6 Name two types of SQL joins and provide an example scenario for each.	4 marks
1.7 Explain the difference between mutable and immutable data types in Python, provide an example of each.	4 marks
1.8 Explain both Agile and Waterfall approaches to Software Development, and at least 2 differences between them	4 marks