Computing Formal Mock/Assessment
Week Exam

Year Group:	11
Subject:	Computing
Tier (if applicable):	

Details of mock exam

Paper to be sat:	Paper 1
Topics to be covered in the mock:	Python code – understanding and writing your own Pseudo code – understanding and writing your own Search algorithms Sort algorithms Coding definitions (e.g. abstraction, validation, structured approach) Flowcharts Trace tables Testing Syntax and Logic errors

Materials to support your revision

Link to Online Resources:	erevision.uk https://revisecs.csuk.io/ https://www.youtube.com/playlist?list=PL8dPuuaLjXtNlUrzyH5r6jN9ulIgZBpdo https://www.cambridgegcsecomputing.org/ (different exam board but lots of excellent content) – use navigation to access the sections detailed above https://craigndave.org/free-videos/ https://www.gcsepod.com/ https://app.senecalearning.com/ https://isaaccomputerscience.org/topics/gcse?examBoard=all&stage=all#aqa
Link to exemplar questions or past papers to use:	https://www.aqa.org.uk/subjects/computer-science/gcse/computer-science-8525/assessment-resources?secondaryResourceType=Question+papers Look for **Paper 1B** resources https://www.aqa.org.uk/subjects/computer-science/gcse/computer-science-8525/assessment-resources?secondaryResourceType=Practice+questions
Link to model answers or mark schemes:	https://www.aqa.org.uk/subjects/computer-science/gcse/computer-science-8525/assessment-resources?secondaryResourceType=Mark+schemes Look for **Paper 1** resources
Recommended revision guides:	ClearRevise Computer Science 8525 ISBN numbers: 978-1910-523254 AQA GCSE (9-1) Computer Science 8525 (Textbook) ISBN: 978-1910-523223 AQA GCSE Computer Science ISBN: 978-1510-484306 Relevant chapters based on topics covered above

In house booklets:	None – own class books are full of notes and practice questions. Self-created revision tools (made in class and for homework)
For essay subjects and longer answer questions – suggested question titles for practice:	A group of people have a meal in a restaurant.

Instead of one person paying for the whole meal, each person will pay for what they eat.

Write a Python program that asks each person in the group how much they are paying towards the meal and works out when the bill is fully paid. Each person can pay a different amount.

The program should:
• get the user to enter the total amount of the bill
• get a person to enter how much they are paying towards the bill
• subtract the amount entered from the bill:
  o if the amount left to pay is more than 0, output how much is left to pay and repeat until the amount left to pay is 0 or less
  o if the amount left to pay is 0, then output the message Bill paid
  o if the amount left to pay is less than 0, then output the message Tip is and the difference between the amount left to pay and 0

You should use indentation as appropriate, meaningful variable name(s) and Python syntax in your answer.

(8 marks) |
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