

Oxford Revise | OCR Computer Science | Answers

Chapter 29 Strings and files

Question	Answer	Extra information	Marks	AO / Specification reference
1	<pre>letter = input("Input an uppercase letter") print(CHR((ASC(letter) + 32)))</pre>	<p>Marking points:</p> <ul style="list-style-type: none"> • Correct input and output • Correct use of <code>ASC()</code> function to determine the ASCII value of the input • Correct use of the <code>CHR()</code> function with 32 added to the ASCII value of the inputted letter. <p>Pseudocode answers with extra steps, such as assigning the ASCII value of the new lowercase version of the letter to an interim variable, are also acceptable.</p>	<p>1 1 1</p>	<p>AO3 2.2.3</p>

Question	Answer	Extra information	Marks	AO / Specification reference														
2	<table border="1"> <thead> <tr> <th>Statement</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td><code>myText.right(3)</code></td> <td>"Fun"</td> </tr> <tr> <td><code>myText.upper</code></td> <td>"COMPUTER SCIENCE IS FUN"</td> </tr> <tr> <td><code>myText.left(4)</code></td> <td>"Comp"</td> </tr> <tr> <td><code>myText.lower</code></td> <td>"computer science is fun"</td> </tr> <tr> <td><code>myText.length</code></td> <td>23</td> </tr> <tr> <td><code>myText.substring(9,3)</code></td> <td>"Sci"</td> </tr> </tbody> </table>	Statement	Output	<code>myText.right(3)</code>	"Fun"	<code>myText.upper</code>	"COMPUTER SCIENCE IS FUN"	<code>myText.left(4)</code>	"Comp"	<code>myText.lower</code>	"computer science is fun"	<code>myText.length</code>	23	<code>myText.substring(9,3)</code>	"Sci"	<p>1 mark for each correct answer up to 6 marks.</p> <p>Reminder: with substrings, the numbering system begins at 0.</p>	1	AO2 2.2.3
	Statement	Output																
	<code>myText.right(3)</code>	"Fun"																
	<code>myText.upper</code>	"COMPUTER SCIENCE IS FUN"																
	<code>myText.left(4)</code>	"Comp"																
	<code>myText.lower</code>	"computer science is fun"																
	<code>myText.length</code>	23																
<code>myText.substring(9,3)</code>	"Sci"																	
1																		
1																		
1																		
1																		
1																		
1																		

Question	Answer	Extra information	Marks	AO / Specification reference
3	<pre> file1 = open("books.txt") while NOT file1.endOfFile() lineoftext = file1.readLine() print(lineoftext) endwhile file1.close() </pre>	<p>Marking points:</p> <ul style="list-style-type: none"> • Opening the correct file • Appropriate loop construct with correct terminating condition • Reading each line from the file • Outputting each line from the file • Closing the file when the process is complete. <p>Note: Outputting each line from the file as it is read rather than assigning it to an interim variable would also be acceptable.</p>	<p>1 1 1 1 1</p>	<p>AO3 2.2.3</p>

Question	Answer	Extra information	Marks	AO / Specification reference
4	<pre> firstname = input("Enter a first name") lastname = input("Enter a last name") newstring = firstname + " " + lastname file1 = open("contacts.txt") file1.writeLine(newstring) file1.close </pre>	<p>Marking points:</p> <ul style="list-style-type: none"> • Inputting first and last names, and assigning to appropriate variables • Concatenating inputs into new string with space between, and assigning to a variable • Opening the correct existing text file <code>contacts.txt</code> • Writing the new string to the text file • Closing the text file at the end. 	<p>1 1 1 1 1</p>	<p>AO3 2.2.3</p>