

# 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"> <li>• Correct input and output</li> <li>• Correct use of <code>ASC()</code> function to determine the ASCII value of the input</li> <li>• Correct use of the <code>CHR()</code> function with 32 added to the ASCII value of the inputted letter.</li> </ul> <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>

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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. Spaces are also included in the length of the string.</p>	1	AO2 2.2.3
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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"> <li>• Opening the correct file</li> <li>• Appropriate loop construct with correct terminating condition</li> <li>• Reading each line from the file</li> <li>• Outputting each line from the file</li> <li>• Closing the file when the process is complete.</li> </ul> <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</p> <p>1</p> <p>1</p> <p>1</p> <p>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"> <li>• Inputting first and last names, and assigning to appropriate variables</li> <li>• Concatenating inputs into new string with space between, and assigning to a variable</li> <li>• Opening the correct existing text file <code>contacts.txt</code></li> <li>• Writing the new string to the text file</li> <li>• Closing the text file at the end.</li> </ul>	<p>1 1 1 1 1</p>	<p>AO3 2.2.3</p>