

# Oxford Revise | OCR Computer Science | Answers

## Chapter 17 Programming languages

Question	Answer	Extra information	Marks	AO / Specification reference
1	<p>Translates the whole code into an executable file.</p> <p>Gives a list of errors at the end of the code after reading the whole code.</p>	<p>1 mark for each correct characteristic up to a maximum of 2 marks.</p> <p>Other correct characteristics are also acceptable, the answers given are examples.</p>	<p>1</p> <p>1</p>	<p>AO1</p> <p>2.5.1</p>
2	<p><b>Benefit 1:</b> A quick method to test a section of code with instant feedback.</p> <p><b>Benefit 2:</b> Errors are identified as soon as they are found so it is good for debugging.</p> <p><b>Drawback 1:</b> No executable file is available to re-run the code.</p> <p><b>Drawback 2:</b> The source code is available to anyone running the code, so it is less secure.</p>	<p>1 mark for each correct benefit up to a maximum of 2 marks.</p> <p>1 mark for each correct drawback up to a maximum of 2 marks.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>AO1</p> <p>2.5.1</p>

Question	Answer		Extra information	Marks	AO / Specification reference
3	<b>IDE tool</b>	<b>Description</b>			
	Editors	Contains text editing features such as delete, copy and replace.			
	Error diagnostics	Identifies errors with error messages and locations of errors.			
	Run-time environment	Shows the results or outputs from the program.			
	Translators	Converts program code into machine readable language.			
			1 mark for each correct answer.	1	AO1 2.5.2
			The shaded parts of the table contain the text given in the question.	1	
				1	

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4	A high-level language contains English like statements, which makes it easier for a programmer to understand, as it is closer to their own language. The individual statements use terms related to their function. Whereas a low level language is closer to the language understood by the computer and can include binary statements or mnemonic codes, which are more difficult for a human to understand.	<p>1 mark for each correct point up to a maximum of 3 marks.</p> <p>Possible valid points could include:</p> <p>What does a high-level language contain?</p> <p>Why is this helpful to the programmer?</p> <p>What does a low-level language contain?</p> <p>Why is this not helpful to the programmer?</p>	<p>1</p> <p>1</p> <p>1</p>	<p>AO2</p> <p>2.5.1</p>