

Oxford Revise | OCR Computer Science | Answers

Chapter 20 Inputs and outputs

Question	Answer	Extra information	Marks	AO / Specification reference
1	<pre>num1 = input("Enter first number") num2 = input("Enter second number") num3 = input("Enter third number") total = num1 + num2 + num3 print ("The total is " + total) average = total / 3 print ("The average is " + average)</pre>	<p>Marking points:</p> <ul style="list-style-type: none"> • Input of three numbers • Prompt for all three inputs (individual or a single prompt) • Calculation of total • Output of total • Calculation and output of average • All steps in the correct order. <p>In some languages, you must change the data type of input variables before using them in calculations. This is not needed in OCR exam reference language. It is OK to include these commands but there are no extra marks for doing so.</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>AO3</p> <p>2.1.2/2.2.1</p>

Question	Answer	Extra information	Marks	AO / Specification reference
2	<code>newvar = str(value)</code>	Correct answer.	1	AO3 2.2.2

Question	Answer	Extra information	Marks	AO / Specification reference
3	<pre> graph TD Start([START]) --> Output1[/output "Input three numbers"/] Output1 --> Input[/input num1, num2, num3/] Input --> Process1[total = num1 + num2 + num3] Process1 --> Output2[/output total/] Output2 --> Process2[average = total / average] Process2 --> Output3[/output average/] Output3 --> End([END]) </pre>	<p>Marking points:</p> <ul style="list-style-type: none"> • Start, End, and all boxes connected together • Correct prompt and inputs • Correct total calculation and output • Correct average calculation and output • All steps follow the correct sequence. <p>Note: as the algorithm is demonstrating sequence, it is advisable to place the steps in the order given in the question.</p>	<p>1 1 1 1 1</p>	<p>AO3 2.1.2/2.2.1</p>