

Task	Expected response	Max mark	Additional guidance
1c	<p>Read in company data (2)</p> <ul style="list-style-type: none"> ♦ module with correct parameter passed or returned to read data from file to parallel arrays ♦ each line of company data stored into parallel arrays <p>find max function (3)</p> <ul style="list-style-type: none"> ♦ initialise and reassign maxValue ♦ if statement to find correct maxPosition ♦ return maxPosition <p>Calculate salary difference (4)</p> <ul style="list-style-type: none"> ♦ module with correct parameters passed in (name, salary), nothing returned (message displayed within procedure) ♦ list searched for selected company and message displayed if not found ♦ call function findMax ♦ use of position to calculate difference between selected company salary and max salary <p>Find the highest number of staff employed by a single company and the number of companies who employ within 10% of that number. (4)</p> <ul style="list-style-type: none"> ♦ Module with correct parameter passed in (employee number) and nothing passed out (message displayed within procedure) ♦ call function findMax ♦ Count initialised and incremented ♦ Use of position and condition to find 10% <p>Implementation (2)</p> <ul style="list-style-type: none"> ♦ single find max function called twice ♦ Modular (3 procedures and 1 function) and maintainable 	15	Candidate position variable names may differ.

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1d	Award 1 mark for each correct row	3																	
	<table> <tr> <td></td><td>Num Emp</td><td>If statement</td><td>Count</td></tr> <tr> <td>1st</td><td>724</td><td>true</td><td>1</td></tr> <tr> <td>2nd</td><td>163</td><td>false</td><td>1</td></tr> <tr> <td>3rd</td><td>728</td><td>true</td><td>2</td></tr> </table>		Num Emp	If statement	Count	1st	724	true	1	2nd	163	false	1	3rd	728	true	2		
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3rd	728	true	2																
1e	<ul style="list-style-type: none"> ♦ Reduces lines of code as finding max algorithm is written once but called twice ♦ Single function can be called multiple times within the same program <p>Possible alternative question</p>	1	Award 1 mark for either bullet.																