Task	Expecto	ed response	Additional guidance	Marks available		
2	Softwai	Software design and development				
2a	<ul> <li>ther</li> <li>the</li> <li>no i</li> <li>ration</li> <li>the</li> </ul>	ere are 973 beaches in file e file data (names and rating) is assumed to be accurate input validation required for file data ting entered by user will only be an integer from 1 to 5 e user can only enter one beach to display (as the program ly runs once)			Analysis (2)	
2b (i)	Input from file	Procedure with use of parameter passing (beach data record structure) created to read file data  Read data from file  Store beach names and ratings in		1		
	Calculate average rating	a record structure  3 Function with use of parameter passing (beach data record structure) created to return average rating		1	Implementation (12)	
		Count occurrences algorithm.  Award 2 marks for:  • fixed loop for each record • selection (not 5) • running total of ratings • incrementing counter  5, 6	Award 1 mark for three bullets  Award 0 marks for fewer than three bullets	2		
		Average rating calculated correctly		1		

Version 1.1

Task	Expecte	ed response	Additional guidance	Marks available			
2	Softwar	Software design and development					
		Procedure with use of parameter passing (beach data record structure) created to display selected beaches		1			
	Display selected	Linear search algorithm used to display user-selected records  Award 2 marks for:  • user input validated as an integer between 1 and 5  • selection — record data matching user input  • display output — beach name	Award 1 mark for two bullets  Award 0 marks for fewer than two bullets	2			
Award 1  • inte  • whit		rnal commentary e space uningful identifiers		1			
	Matches	s supplied refinements		1			

Version 1.1 34

Task	Expected response		Additional guidance	Marks available		
2	Software design and development					
2b (ii)	Single word output	Position of space identified		1	Implementation (3)	
		Sub-string used to display first word in string		1		
		Solution accounts for beach names with originally one word		1	Impleme	
2c	Award	1 mark each for:				
	rea	cription of test used to check ding of data from file		2	(3)	
		cription of tests used for user ut (1 to 5)			Testing (3)	
2d	Breakpoint drawn on code to pause code when condition 'rating = 4' is met			1	•	
2e	Award 1 mark for evaluating the robustness of the program in relation to coping with a longer file.  Award 1 mark each for evaluating the usability of the program, for any two of the following:					
	◆ the general user interface					
	◆ the user prompts				(2)	
	• the screen layout			_	ion	
	♦ any	help screens		5	Evaluation (5)	
	Award 1 mark each for evaluating the maintainability of the program, in relation to two of the following:				Eva	
	♦ inte	ernal commentary				
	♦ mod	dularity				
		ite space				
	♦ mea	aning identifiers				

Version 1.1 35