

Student	Mohammed Vasanwala	74
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Part 1

	Available	Marks
Create a matrix <code>vigenere</code> that contains the character data. Display this matrix.	5	5
Using the keyphrase <code>UWTSDSWANSEA</code> , encrypt the message <code>CAPTURETHEFLAG</code> using the method described. You should create a vector <code>keyphrase</code> to hold the keyphrase, a vector <code>plaintext</code> to hold the plaintext and a vector <code>ciphertext</code> to hold the ciphertext. Display the plaintext and the ciphertext.	25	19
Decrypt the following ciphertext using the keyphrase <code>RPROGRAMMING</code> and store the result in the vector <code>plaintext</code> . <code>ETMSXWISTBNHRIKZKKHMFGBAUDECZEEQPBBCZC</code>	25	18
Commenting and use of white space	5	4
	TOTAL	46
Comments Remember to add comments to say where each question starts. Otherwise commenting and use of white space is good. Q1: Good. You could have used <code>LETTERS</code> rather than defining letters. Q2: Good. Nice use of <code>which()</code> . Q3: You've lost the final letter of the plaintext. Otherwise good, with good use of <code>which()</code> .		

Part 2

	Available	Marks
Explain how your code works (including a flow chart) and explain how you tested your code (include examples of the code and data used). TASK 1	10	76
Explain how your code works (including a flow chart) and explain how you tested your code (include examples of the code and data used). TASK 2	10	7
Explain how your code works (including a flow chart) and explain how you tested your code (include examples of the code and data used). TASK 3	10	7
A reflection on what you found challenging, what you learned, and what you would do differently next time.	10	7
	TOTAL	28
Comments Q1: Good clear explanation with variable names. It would be better to put the flow chart in the same section as the explanation. Q2: Good clear explanation with variable names but no flow chart. Good clear explanation with variable names but no flow chart. Q3: Good clear explanation with variable names but no flow chart. Good clear explanation with variable names but no flow chart. A good personal reflection, well set out.		