

Student	Mithushan Srikantharaja	77
---------	-------------------------	----

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	21
Decrypt the following ciphertext using the keyphrase <code>RPROGRAMMING</code> and store the result in the vector <code>plaintext</code> . <code>ETMSXWISTBNHRIKZKKHMFGBAUDECZEEQPBBBCZC</code>	25	21
Commenting and use of white space	5	4
	TOTAL	51
Comments Remember to include your name and student ID in the comments at the top of the script. Otherwise commenting and use of white space is generally good. Q1: Good use of LETTERS. Q2: Nice use of while() Q3: Nice use of while()		

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	5
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	8
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	8
A reflection on what you found challenging, what you learned, and what you would do differently next time.	10	5
	TOTAL	26
Comments Q1: Good description of the code but no flow diagram. Q2: Good. Q3: Good. You've written about the generally challenges of writing encryption code but not much on what you specifically found interesting or complex.		