Skill 6.02 Exercise 1		
Navigate to https://studio.code.org/s/csp1-2020/stage/9/puzzle/2		
Watch the video on how to use the compression widget, https://youtu.be/LCGkcn1f-ms		
Select the text shown.		
Choose text: So wake me up when it's all over Whe V		
Copy and paste the original text below		
Take 10 minutes and see how much you can compress the text. Copy and paste your compressed text below.		
Original text		
Compressed text		
Skill 6.02 Exercise 2		
The alphabet is an example of text that cannot be compressed, can you think of others?		
The alphabet is an example of text that cannot be compressed, can you think of others:		
Refer to the text in the previous example, which words could not be used to compress the file		
Refer to the text in the previous example, which words could not be used to compress the me		
Skill 6.03 Exercise 1		
Refer to a portion of the heart image shown below.		
How should the 2 nd row be encoded in RLE		
The should the 2 Tem be encoded in NEE		
How should the third row be encoded in RLE		

Skill 6.03 Exercise 2

The following is a compression of a 6x6 black and white icon, using RLE. What mathematical symbol does that icon resemble?

2,2,2

2,2,2

0,6

0,6

2,2,2

2,2,2

Skill 6.03 Exercise 3

Which icon below would be most compressed using RLE compression? Explain?







Skill 6.04 Exercise 1

The characters in a sequence were optimized using the Huffman algorithm. Use the optimized binary to decode the sequence below.

111001

character	binary code
а	010

а	010
С	00
g	011
	4

Make sure you start at the first bit on the left, and match up the codes from left to right. What DNA string do you come up with?

The same characters were optimized using the Huffman algorithm, resulting in a different set of codes. Use the optimized binary code to decode the sequence below,

001000011

character	Binary code
а	001
С	01
g	999
t	1