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 Wher ✓ Write your own			
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?			
Refer to the text in the previous example, which words could not be used to compress the file			
Skill 6.03 Exercise 1			
Refer to a portion of the heart image shown below.			
The state of the master mage shows a state of the state o			
How should the 2 nd row be encoded in RLE			
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 6.04 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
С	00
g	011
t	1

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