Call Colors Class 1.7 (in Elicoding 1.10) Cc	Can	Corbin	Crack	It?	: An	Encoding	Project
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Computer Science	Period:

Nama.

It is important to read all the directions for this lab / project, as outlined below.

Hello, Brennan Computer Science students. This is Mr. De la Peña. Our Computer Science TA this year is Brennan Senior Corbin Adamson. Corbin knows a lot about math and computer science, and he is pretty good at cracking codes. Let's give him a bit of a challenge. You are to encode a secret message, using the guidelines below.

It should be at least 15 characters long, and no more than 40 characters long. (Make sure it's school appropriate!)

Your message may include:

- upper and lower-case English letters
- numbers
- spaces (make sure to include these)
- punctuation marks
- Special characters, if they make sense in the message

Match each character (including symbols and whitespace) to its Unicode value in base-10.

Choose ANY number-base (anywhere from base-2 up to base-16, and NOT base-10). Convert all your Unicode values to this number-base, using symbols [0-9, A-F], as needed, and proper rules for place value. Be accurate with your math. **DO NOT SPECIFY WHICH NUMBER-BASE YOU ARE USING!!** 

Then, create a new text document and title it "message.txt". On the first line of the text file, type in the total number of characters in your message. (Remember that whitespace counts as one character.) After that, type each Unicode value of your message, in order, expressing these as digits in your newly-converted base, with each set of digits on its own line.

**Example**: My message is: "Can Corbin Crack It?" Let me encode the message using Unicode values in Base-6.

<b>Character</b>	Base-10 Unicode Value	Base-6 Unicode Value	
С	67	151	My text file would look like this:
а	97	241	
n	110	302	20
	32	52	151   241
- C	67	151	302
0	111	303	52
r	114	310	151
b	98	242	303
i	105	253	310 242
n	110	302	253
	32	52	302
c	67	151	52
r	114	310	151
a	97	241	310 241
C	99	243	243
k	107	255	255
K	32	52	52
_	73	201	201
+			312
ι 2	116 63	312 143	143
ŗ	n≾	143	

Save a copy of the text document to your drive, then copy and paste it into "S:\TurnIn\DeLaPena-TurnIn\" (in your folder)