12.07 Message Decoder Worksheet

Secret message:
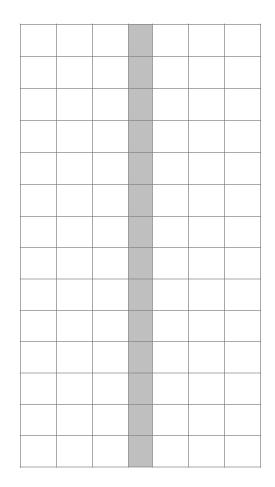
HAPPINESS IS A PROGRAM WITHOUT ERRORS

Reassembled Code

Blue	Red
I	I
B	B
Q	Q
Q	Q
J	J
O	O
F	F
T	T
T	T
J	J
T	T
B	B
Q	Q
S	S
P	P
H	H
S	S
B	B

Blue Segments				Red Segments		
1	2	3		1	2	3
I	J	V		F	N	I
B	T	U		T	X	B
Q	B	F		T	J	Q
Q	Q	S		J	U	Q
J	S	S		T	I	J
O	P	P		B	P	O
F	H	S		Q	V	
T	S	T		S	U	
T	B			P	F	
	N			H	S	
	X			S	S	
	J			B	P	
	U				S	
	I				T	
	P					

N	N
X	X
J	J
U	U
I	I
P	P
V	V
U	U
F	F
S	S
S	S
P	P
S	S
T	T

Questions

1. This was similar to how the human genome was sequenced because of the way we put the overlapping code together. "the team members systematically generated overlapping clones mapped to individual human chromosomes." The generation of the 2 clones was similar to how each of us generated our own code.

2. Some benefits include that work can be distributed better and the work can be more specialized allowing each person to focus on a specific task. A downside is the communication challenge. For example, today my internet went out so I was unable to send or receive anything from Samuel.

3. Google Docs could make this easier so that we don't have to consciously send things back and forth. When I've worked with others in the past, I've found that a solution like **github.-**

com provides a really good service so that everyone is always up-to-date.

4. In order to be successful in online collaboration, you need to be able to follow certain internet-etiquette rules. I think that I followed those rules pretty well. It can be a lot easier to treat someone disrespectfully when you can't actually see or hear them in person. This is something that everyone needs to be careful of.

5. Certain work skills are also necessary for successful collaboration. You need to be able to get your part done efficiently so that your teammates(s) can get theirs done. You don't want to leave a teammate hanging. I'm still working on this skill. I tend to procrastinate which isn't very conducive to a good collaborative effort.

6. Some tasks that would be lent to online collaboration are:

   1. Creating a mobile app

   2. creating a library or API

   3. Writing a desktop app

A task that wouldn't work really well would be photoshopping an image. This is really a one-man job. There wouldn't be much for someone else to help with.