1 <b>1</b> point	1.	Consider finding all the YouTube links on a web page. What is the video for the second YouTube link on the web page <a href="http://www.dukelearntoprogram.com/course2/data/manylinks.html">http://www.dukelearntoprogram.com/course2/data/manylinks.html</a> about?
		Walt Disney cartoons
		Turkeys, Ducks and Quails
		Potatoes
		STEM
1	2.	Consider the following mystery method.
oint		1 - public String mystery(String dna) {
		<pre>int pos = dna.index0f("T"); int count = 0; int startPos = 0;</pre>
		<pre>5   String newDna = ""; 6   if (pos == -1) {</pre>
		7 return dna; 8 }
		<pre>9 * while (count &lt; 3) { 10     count += 1; 11     newDna = newDna + dna.substring(startPos,pos);</pre>
		12 startPos = pos+1; 13 pos = dna.indexOf("T", startPos);
		14 - if (pos == -1) { 15
		<pre>16  } 17  } 18  newDna = newDna + dna.substring(startPos);</pre>
		19 return newDna; 20 }
		Which of the following best describes what it does?
		The method mystery is given a string and it returns a string which is the same string but with the first three T's removed.
		The method mystery is given a string and it returns a string which is the same string but with the first three T's each replaced with two T's.
		The method mystery is given a string and it returns a string which is the same string but with all the T's removed.
		The method mystery is given a string and it returns a string which is the same string but with the each T each replaced with two T's.
		The method mystery is given a string and it returns a string which is three
		copies of the original string.
1	3.	Use the following data file to answer this question: <a href="http://www.cs.duke.edu/~rodger/GRch38dnapart.fa">http://www.cs.duke.edu/~rodger/GRch38dnapart.fa</a> . How many genes are in this file?
oint		
		68
1	4.	Use the following data file to answer this question: <a href="http://www.cs.duke.edu/~rodger/GRch38dnapart.fa">http://www.cs.duke.edu/~rodger/GRch38dnapart.fa</a> . How many genes in this file are
point		longer than 60?
		15
	5.	Use the following data file to answer this question: <a href="http://www.cs.duke.edu/~rodger/GRch38dnapart.fa">http://www.cs.duke.edu/~rodger/GRch38dnapart.fa</a> . How many genes in this file have
1 oint		cgRatio greater than 0.35?
1 oint		
-		33
oint	6	
	6.	Use the following data file to answer this question which represents one long strand of DNA: <a href="http://www.cs.duke.edu/~rodger/GRch38dnapart.fa">http://www.cs.duke.edu/~rodger/GRch38dnapart.fa</a> . How many times does the
pint 1	6.	Use the following data file to answer this question which represents one long strand of

point

Use the following data file to answer this question: http://www.cs.duke.edu/~rodger/GRch38dnapart.fa. What is the length of the longest gene in the collection of genes found in this file?

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