✔ **Congratulations! You passed!**

Next Item

✔

1 / 1 points

1. Consider finding all the YouTube links on a web page. What is the video for the second YouTube link on the web page http://www.dukelearntoprogram.com/course2/data/manylinks.html about?

✔

1 / 1 points

2. Consider the following mystery method.

```java
1  public String mystery(String dna) {
2    int pos = dna.indexOf("T");
3    int count = 0;
4    int startPos = 0;
5    String newDna = "";
6    if (pos == -1) {
7      return dna;
8    }
9    while (count < 3) {
10     count += 1;
11     newDna = newDna + dna.substring(startPos,pos);
12     startPos = pos+1;
13     pos = dna.indexOf("T", startPos);
14     if (pos == -1) {
15       break;
16     }
17   }
18   newDna = newDna + dna.substring(startPos);
19   return newDna;
20 }
```

Which of the following best describes what it does?

✔

1 / 1 points

3. Use the following data file to answer this question: http://www.cs.duke.edu/~rodger/GRch38dnapart.fa. How many genes are in this file?

✔

1 / 1 points

4. Use the following data file to answer this question: http://www.cs.duke.edu/~rodger/GRch38dnapart.fa. How many genes in this file are longer than 60?

✔

1 / 1 points

5. Use the following data file to answer this question: http://www.cs.duke.edu/~rodger/GRch38dnapart.fa. How many genes in this file have cgRatio greater than 0.35?

✔

1 / 1 points

6. Use the following data file to answer this question which represents one long strand of DNA: http://www.cs.duke.edu/~rodger/GRch38dnapart.fa. How many times does the codon CTG appear in this strand of DNA?

✔

1 / 1 points

7. 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?

👍 👎 🚩