❌ **Required to pass: 80% or higher**

You can retake this quiz up to 3 times every 8 hours.

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[Retake]

✔ **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.

1 / 1 points

```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?

✔ **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?

0 / 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?

0 / 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?

0 / 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?

1 / 1 points