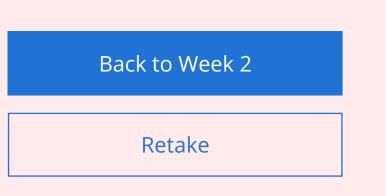
Quiz, 7 questions

Required to pass: 80% or higher

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





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?

0 / 1 points

2 Consider the following mystery method.



```
1 → public String mystery(String dna) {
      int pos = dna.indexOf("T");
      int count = 0;
      int startPos = 0;
      String newDna = "";
      if (pos == -1) {
        return dna;
 8
      while (count < 3) {
 9 =
10
        count += 1;
        newDna = newDna + dna.substring(startPos,pos);
11
12
        startPos = pos+1;
        pos = dna.indexOf("T", startPos);
13
        if (pos == -1) {
          break;
15
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?

0 / 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?





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?





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?





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?

0 / 1 points