



Strings in Java

2/7 points (28%)

Quiz, 7 questions



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

```
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?

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?

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?

0 / 1
points