Feedback — Quiz 3: Computing Technology

Help Center

Authentication is not required for this quiz.

You submitted this quiz on **Tue 4 Aug 2015 10:11 PM PDT**. You got a score of **10.00** out of **10.00**.

	Score	Explanation
~	1.00	
	1.00 / 1.00	
	•	✓ 1.00

Question 2

You can make a program more efficient by

Your Answer		Score	Explanation
Running it on the Amazon cloud			
Re-designing the algorithm to require fewer steps	~	1.00	

Recompiling it on a different computer	
Using a faster computer	
Total	1.00 / 1.00

Question 3				
	Score	Explanation		
~	1.00			
	1.00 / 1.00			
	•	✓ 1.00		

Question 4		
A programming language is		
Your Answer	Score	Explanation
 A method for translating between languages such as English and French 		
Anything written in Python		
A formal language used to instruct computers what to do	1.00	
The way we describe high-level algorithms		
Total	1.00 / 1.00	

Question 6 Bowtie, TopHat, and Cufflinks are Your Answer Score Explanation A web-based system for browsing genome data Programs for determining the function of a gene • A suite of software tools for alignment and analysis of next-generation sequence data • 1.00 Elements of men's formal evening wear • 1.00 / 1.00

Question 7

Sequence alignment refers to

Your Answer	Score	Explanation
 Lining up two DNA sequences so that positions with the same base match one another 	✓ 1.00	
Shuffling the positions in a sequence to randomize them		
Making sure that all the DNA sequences in a file use the same format		
 Determining the amino acid sequence produced by translating a DNA sequence 		
Total	1.00 /	
	1.00	

Question 8

A software pipeline for RNA sequence (RNA-seq) analysis will

Your Answer		Score	Explanation
Create a database in which one can efficiently store and retrieve results			
Process large raw sequence files into a summary table showing which genes were present	~	1.00	
Compare cases to controls and determine which genes were responsible for any differences in phenotype			
Evaluate the best RNA-seq protocol for minimizing sequencing artifacts			
Total		1.00 /	
		1.00	

uestion 9		
ch of the following is not a d	computer operating system?	
our Answer	Score	Explanation
Unix		
Microsoft Windows		
RedHat Linux		
Google Drive	✓ 1.00	
tal	1.00 / 1.00	

data set large enough to overwhelm the main memory of	A data set large enough to overwhelm the main memory of a computer would				
Your Answer		Score	Explanation		
Contain more than one genome's worth of data					
Contain more than 1000 genomes' worth of data					
Use uncompressed files rather than compressed ones					
Be larger than the available RAM	~	1.00			
Total		1.00 / 1.00			