

Basic Perl Practice Problems

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Write short Perl scripts to:

1. Take three arguments at the command line and print them to a file, separated by tab characters.
2. Print out 15 random numbers between 0 and a maximum number passed in at the command line.
3. Set a string equal to your favorite sentence. Print out the last word of the sentence.
4. Given a string variable with a sentence of your choice, convert it into an array of words. Print every other word on a separate line.
5. Take a DNA sequence at the command line, and print out each three nucleotides separated by a space (codons separated).

What do each of these code fragments output? (If a command-line is requested, do for several example inputs.)

1.

```
for ($i=20; $i > 5; $i = $i - 2) { print "$i\n"; }
```
 2.

```
for ($i=0; $i <= 1; $i += 2 ) { print "$i\n"; }
```
 3.

```
for ($i=100; $i >= -2.4; $i -= 11) { print "$i\n"; }
```
 4.

```
$whichWord = shift;
$string = "This is a test.";
@sentence = split(' ', $string);
$numWords = @sentence;
for ($i=0; $i<$numWords; $i++) {
    if ($sentence[$i] eq $whichWord) {
        print "The requested word $whichWord is
            number $i\n";
    }
}
```
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