



< Previous	✓	✓	✓	✓	✓	✓	✓		✓		✓	Next >
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CC 3.1.4: Translating the DNA Sequence

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Comprehension Check due Jul 14, 2021 05:59 +06

Translating the DNA Sequence: Question 1

1/1 point (graded)

Use `table` as defined as in Video 3.1.4. The file `table.py` is available for [download here](#) as well as below the video.

What is `table["GCC"]` ?

☒ `A`

☐ `C`

☐ `L`

☐ `Y`



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Translating the DNA Sequence: Question 2

1/1 point (graded)

What is `138 % 13` ?

☐ `138`

☐ `18`

☐ `13`

☒ `8`

☐ `3`



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Translating the DNA Sequence: Question 3

1/1 point (graded)

Open a session of Python and follow the instructions in Video 3.1.2 to read in the NCBI DNA sequence with the accession number `NM_207618.2` and store as `seq`.

What does `seq[40:50]` return?

☐ GAACCTGACC

☐ CAACCTGACA

☒ CCTGAAAACC

☐ TGACCAACAC



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Translating the DNA Sequence: Question 4

1/1 point (graded)

What is a docstring?

☐ A string containing documentation for core Python, available at python.org

☒ A string that describes details about a module, function, class, or method accessed by `help()`

☐ An object type from the `docstring` library that contains useful functions for annotating strings



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