

## **Biology Challenge #2**

In the previous challenge, you successfully recovered the second DNA strand that was accidentally lost by your company. After your success, your company has come to you asking for your help in writing a new program.

This program will be used to transcribe DNA into RNA. From your biology education, you know that transcribing DNA into RNA simply involves replacing all occurrences of thymine (T) with uracil (U).

Write a Python program that asks the user for a DNA sequence, then outputs its RNA transcription. For instance, if your program were given the following DNA sequence by the user:

**ACTCGGACGTA**

it should output the following correct RNA transcription:

**ACUCGGACGUA**

As in the previous challenge, you should write your program such that someone can give it *any* DNA strand they want. Additionally, in this program, you *must* output the transcribed RNA on a single line; do not print each RNA nucleotide on a separate line.