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```
Your program should begin by prompting the user for an input file (which contains the message),
5 shift amounts (all integers), and whether they would like to encrypt or decrypt, then our
implementation will add some variation to the basic algorithm to make it a little harder to
decode. When encrypting:
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Go again? (Y/N): Y

Enter shift amounts: 3 4 5 6 7

Encode (E) or Decode (D)? **D**

Though Birnam Wood be come to Dunsinane,

Yet I will try the last. Before my body

And damned be him that first cries "Hold, enough!"

Go again? (Y/N): N

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## What to Submit

For this assignment you should submit your p2.py file. Your file must be named p2.py.

This assignment will be graded automatically. Test your programs thoroughly before submitting them. Make sure that your programs produce correct results for every logically valid test case you can think of. Do not waste submissions on untested code, or on code that does not compile with the supplied code from the course website.

Web[CAT will assign a score based on runtime testing of your submission; your best score will be counted; the TAs will later verify that your best submission meets the stated restrictions; and assess penalties if not.

To submit this assignment:

1. Visit <http://webcat.cs.vt.edu> in your web browser.
2. Enter your Virginia Tech PID and password in the appropriate fields on the login screen, and make sure that Virginia Tech is selected as the institution. Click Login.
3. The Web[CAT home screen will display useful announcements and assignments that are currently accepting submissions. Find the assignment that you want to submit in the table, and click the "Submit" button next to it.
4. Click the Browse... button and select the file you want to upload. The homework assignments and programming projects for this course should be self-contained in a single .py file, so you can simply select that one file.
5. Click the Upload Submission button. The next page will ask you to review your selection to ensure that you have chosen the right file. If everything looks correct, click Confirm.

The next page will show that your assignment is currently queued for grading, with an estimated wait time. This page will refresh itself automatically, and when grading is complete you will be taken to a page with your results.

When your results are ready, make sure that you have 80% on the assignment. If you have anything less, read the hints that Web[CAT gave you and make any corrections to your code that you need to make, then submit again. Remember that for the programming projects in this class (as opposed to the homework assignments), you can submit up to 5 days after the due date, with a 10% penalty per day late.



Each of your program submissions must be pledged to conform to the Honor Code requirements for this course. Specifically, you must include the following pledge statement in the submitted file: