



Bookmarks

- ▶ [Welcome to the edX Platform](#)
- ▶ [Entrance Survey](#)
- ▶ [Download Python and Get Motivated!](#)
- ▶ [Week 1: Python Basics](#)
- ▶ [Week 2: Simple Programs](#)
- ▶ [Week 3: Structured Types](#)
- ▶ [Week 4: Good Programming Practices](#)
- ▶ [Midterm Exam](#)
- ▼ [Week 5: Object Oriented Programming](#)

Week 5: Object Oriented Programming > Problem Set 5 > Problem 2 - PlaintextMessage

Problem 2 - PlaintextMessage

🔖 Bookmark this page

Problem 2 - PlaintextMessage

15.0 points possible (graded)

For this problem, the graders will use our implementation of the `Message` class, so don't worry if you did not get the previous parts correct.

`PlaintextMessage` is a subclass of `Message` and has methods to encode a string using a specified shift value. Our class will always create an encoded version of the message, and will have methods for changing the encoding.

Implement the methods in the class `PlaintextMessage` according to the specifications in `ps6.py`. The methods you should fill in are:


- `__init__(self, text, shift)` : Use the parent class constructor to make your code more concise.
- The getter method `get_shift(self)`
- The getter method `get_encrypting_dict(self)` : This should return a COPY of `self.encrypting_dict` to prevent someone from mutating the original dictionary.
- The getter method `get_message_text_encrypted(self)`
- `change_shift(self, shift)` : Think about what other methods you can use to make this easier. It shouldn't take more than a couple lines of code.

Paste your implementation of the entire `PlaintextMessage` class in the box below.


1




9. Classes and Inheritance

Finger Exercises 

10. An Extended Example

Finger Exercises 

Problem Set 5

Problem Set due Mar 2, 2017 15:30 PST 

- ▶ Week 6: Algorithmic Complexity

- ▶ Sandbox

Press ESC then TAB or click outside of the code editor to exit

Unanswered

Submit

You have used 0 of 30 attempts

Problem 2 - PlaintextMessage

Topic: Problem Set 5 / Topic-Level Student-Visible Label

Show Discussion

© All Rights Reserved



© 2012-2017 edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.

POWERED BY
OPENedX®

