Please fill in the blank so that the following code successfully iterates through the data stored in "makeup_products" and extracts the total number of shades for items that are meant just for "Lips", storing the total in a variable called "total_count_lip_shades".

```
if item[product]["Location"] == "Lips":
```

Assume that a json-structured string has been stored in a file named “improv_data.json”. Fill in the blank to convert the json string into a python object and store it in the variable improv_py.

```
import json
improv_f = open("improv_data.json", "r").read()
improv_py = # your code would finish this statement
improv_f.close()
```

```
json.loads(improv_f)
```

The next two questions will be focused on creating a class to represent a school. For this question, provide the line that would serve as the function definition for the following class:

*note that in the next question you will be completing the fuction. This problem is just to provide the fuction defintion.

```
class School():

    def __init__(self, name, num_students, departments = []):
        self.name = name
        self.student_population = num_students
        self.number_departments = len(departments)
        self.departments = departments

    # Below is the method definition for a method called add_department.
    # This method will take a string as input, called new_dept, which will be add
ed to
    # the instance variable self.departments. The value stored in
    # self.number_departments will also be updated.
    # Your task for this prompt is to write the method definition.
    # Note that we have already written the code to update self.number_department
s.

        self.number_departments += 1

    def graduate(self, class_size):
        self.student_population = self.student_population - class_size

    def add_students(self, class_size):
        self.student_population += class_size
```

def add_department(self,new_dept):

This question continues to use the same prompt as before, focusing on creating a class to represent a school. For this particular question, assume that you have correctly provided the function definition. Now, your task is to write a line that will update self.departments with the new information provided by the function's parameter:

```
class School():

    def __init__(self, name, num_students, departments = []):
        self.name = name
        self.student_population = num_students
        self.number_departments = len(departments)
        self.departments = departments

    # Below is the method definition for a method called add_department.
    # This method will take a string as input, called new_dept, which will be added to
    # the instance variable self.departments. The value stored in
    # self.number_departments will also be updated.
    # Your task for this prompt is to write the line that would update self.departments, assuming that the function definition is correct.
    # Note that we have already written the code to update self.number_departments.

    # [function definition goes here]
        # your line would go here
        self.number_departments += 1

    def graduate(self, class_size):
        self.student_population = self.student_population - class_size

    def add_students(self, class_size):
        self.student_population += class_size
```

self.departments.append(new_dept)