**Question Text:**

**Title : Lockdown Management:**

Create a class State with the below attributes:

state\_id of type Number

state\_name of type String

affected\_count of type Number

days\_of\_lockdown of type Number

Create the \_\_init\_\_ method which takes all parameters in the above sequence. The method should set the value of attributes to parameter values .

Create a method inside the class with the name **increase\_lockdown**. This method takes a Number value as argument which is the number of weeks by which the lockdown period should be increased and increases the days\_of\_lockdown count accordingly.

e.g. If the days\_of\_lockdown is 14 and the given number\_of\_weeks is 3, then the updated days\_of\_lockdown of the state should be 35 and return the same.

Create another class Country with the below attributes:

country\_name of type String

state\_list of type List having State objects

Create the \_\_init\_\_ method which takes all parameters in the above sequence. The method should set the value of attributes to parameter values inside the method.

Create another method inside the class with the name **calculate\_increase\_in\_lockdown\_period**.

The method takes the increase in number of lockdown weeks as first argument and state\_id as the second argument . The method should find the respective state, whose state\_id is given as in the argument , increment the days\_of\_lockdown as per the given days and return the respective state object with the extended days\_of\_lockdown.

If the state with given state\_id is not found , then the method returns **None .**

**Note:** In Python None means NULL Object , Accordingly default mail will display the message

'No state Exists '

If the number of weeks of lockdown extension is less than equals to zero , then return the object as it is , means there would not be any chages to the days\_of\_lockdown.

For more clarity on the above boundary validations, please refer the default main function.

**Note:**

Use the method increase\_lockdown defined in the State class to calculate the extended lockdown period of the states .

**Sample Input (below) description:**

The 1st input taken in the main section is the number of State objects to be added to the list of States.

The next set of inputs are the state\_id, state\_name, affected\_count and days\_of\_lockdown for each state taken one after other and is repeated for number of objects given in the first line of input

The last but one line of input refers the state\_id, whose days\_of\_lockdown needs to be extended with with given number of weeks , mentioned in the last line

**Sample Input:**

4

100

Maharashtra

1500

21

101

Tamil Nadu

700

14

102

Delhi

500

14

103

Karnataka

700

14

102

3

Output:

Delhi 35

For more clarity on Input/Output and Input data processing, please refer to the main section of code , You can use this section to test your code.

**Test Cases:**

**TestCase1 - Sample / Public (Same as referred in the question text) (Score 10):**

**Input:**

4

100

Maharashtra

1500

21

101

Tamil Nadu

700

14

102

Delhi

500

14

103

Karnataka

700

14

102

3

Output:

Delhi 35

TestCase 2 - **Private (Score 25):**

**Input:**

3

105

Orissa

80

14

106

West Bengal

90

21

107

Punjab

120

21

106

2

**Output:**

**West Bengal 35**

**Testcase 3 - Private : For boundary value verification( Score 30) :**

**Input:**

**4**

100

Maharashtra

1500

21

101

Tamil Nadu

700

14

102

Delhi

500

14

103

Karnataka

700

14

109

3

**Output:**

**No state Exists**

**Testcase 4 - Private : For boundary value verification( Score 35) :**

**Input:**

**4**

100

Maharashtra

1500

21

101

Tamil Nadu

700

14

102

Delhi

500

14

103

Karnataka

700

14

100

0

**Output:**

**Maharashtra 21**