

## Optional Assignment | 7 th May 2020

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For any doubts regarding the assignment, ask questions in the [Free Coding School Group](#) in the Community.

Submit the Assignment by **8th May 2020 10:00 AM.**

Assignment Submit Form : <https://bit.ly/FcsAssignment>

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### Question:

Indian army is going to do a surprise attack on one of its enemy countries. The President of India, the Supreme Commander of the Indian Army will be sending an alert message to all its commanding centers. As the enemy would be monitoring the message, Indian army is going to encrypt(cipher) the message using basic encryption techniques. A decoding key 'K' (number) would be sent secretly.

You are assigned to develop a cipher program to encrypt the message. Your cipher must rotate every character in the message by a fixed number making it unreadable by enemies.

Given a single line of string 'S' containing alpha, numeric and symbols, followed by a number ' $0 \leq N \leq 1000$ '. Encrypt and print the resulting string.

Note: The cipher only encrypts Alpha and Numeric. (A-Z, a-z, and 0-9) . All Symbols, such as - , ; %, remain unencrypted.

### **SAMPLE INPUT**

All-convoYs-9-be:Alert1.

4

### **SAMPLE OUTPUT**

Epp-gsrzsCw-3-fi:Epivx5.

### **Explanation**

First line contains the string to convert. S

Second line contains the number, encrypt key. K

A becomes E, Y becomes C, 9 becomes 3,

-, . unchanged.

## FAQs

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### **Q. How to upload a jupyter notebook as a part of an assignment?**

- A. 1. Click "File" option in notebook  
2. Go to "Download As" -> "Notebook(.ipynb)"  
3. Upload the downloaded .ipynb file to google form

### **Q. When do I submit the Assignments and how?**

- A. All Assignments have to be submitted by 12 AM (on the same day). You can use Jupyter Notebook or python files or even Google Colab to Submit your Assignments.

### **Q. Where do I get class links for next session?**

- A. All sessions will be Live on Youtube from Day-1 to Day-7 at 11:00 AM, Subscribe to LetsUpgrade [YouTube Channel](#). You'll also get an email with the link to the live session.

### **Q. I have some doubt, whom do I ask?**

- A. (a) Post your Queries on the community, someone will help you out.  
(b) We have a discussion group which you can access by Joining LetsUpgrade Telegram Channel (@letsupgrade\_in).

### **Q. *Sir don't have anaconda so how can I solve the assignment ?***

- A. Use Google Colab : [Click me](#)

**Q. Can we submit multiple .py or .ipynb assignment solution files for each question separately?**

A. You can zip all the files together and submit. Make sure you are submitting a single file.

**Q. How can we know if my assignment is verified or not? And is it successfully submitted or not?**

A. You will receive a mail for your successful submission. You will get a mail like this:

