

## ✓ Imports

```
from functools import reduce
```

## ✓ Task 1 map

```
text = "Python For Beginners Welcome! Are you completely new to programming? If  
list_word = text.split(' ')  
lc_words = list(map(str.lower, list_word))  
lc_text = ' '.join(lc_words)
```

```
lc_text
```

```
⇒ 'python for beginners welcome! are you completely new to programming? if not  
then we presume you will be looking for information about why and how to get  
started with python.'
```

## ✓ Task 2 filter

```
text = "Python For Beginners Welcome! Are you completely new to programming? If  
list_word = text.split(' ')  
filtered_words = list(filter(lambda w: len(w) >= 4, list_word))  
filtered_text = ' '.join(filtered_words)
```

```
filtered_text
```

```
⇒ 'Python Beginners Welcome! completely programming? then presume will looking  
information about started with Python.'
```

## ✓ Task 3 reduce

```
text = "Python For Beginners Welcome! Are you completely new to programming? If n  
list word = text.split(' ')
```

```
list_word = text.split(' '),  
concatenated_text = reduce(lambda a, b: a + b.upper(), list_word, '')
```

concatenated\_text

```
📄 'PYTHONFORBEGINNERSWELCOME!AREYOUCOMPLETELYNEWTOPROGRAMMING?IFNOTTHENWEPRESUM  
EYOUWILLBELOOKINGFORINFORMATIONABOUTWHYANDHOWTOGETSTARTEDWITHPYTHON.'
```