1.قم بعد عدد مرات تكرار كل حرف في النص التالي (لا تقم بعد أي شيء أخر غير الحروف) باستخدام if

Count the number of each letter (only letters) occurrence in the following text using if statement.

```
txt = """One of the most effective ways to reduce the friction
associated with
your habits is to practice environment design
In a previous chapter we discussed environment design as a
method for making cues more
obvious but you can also optimize your environment to make
actions
easier
For example when deciding where to practice a new habit it is
best to choose a place that is already along the path of your
daily
routine
Habits are easier to build when they fit into the flow of your
life
You are more likely to go to the gym if it is on your way to
work
because stopping does not add much friction to your lifestyle
"""
```

2.قم بعد عدد مرات تكرار كل حرف في النص التالي (لا تقم بعد أي شيء أخر غير الحروف) باستخدام get method

Count the number of each letter (only letters) occurrence in the following text using get method.

```
txt = """One of the most effective ways to reduce the friction
associated with
your habits is to practice environment design
In a previous chapter we discussed environment design as a
method for making cues more
obvious but you can also optimize your environment to make
actions
easier
For example when deciding where to practice a new habit it is
best to choose a place that is already along the path of your
daily
routine
Habits are easier to build when they fit into the flow of your
life
You are more likely to go to the gym if it is on your way to
work
because stopping does not add much friction to your lifestyle
"""
```

3.قم بعد عدد مرات تكرار كل حرف في النص التالي (لا تقم بعد أي شيء أخر غير الحروف) باستخدام setdefault method Count the number of each letter (only letters) occurrence in the following text using setdefault method.

```python
txt = """One of the most effective ways to reduce the friction associated with
your habits is to practice environment design
In a previous chapter we discussed environment design as a method for making cues more
obvious but you can also optimize your environment to make actions
easier
For example when deciding where to practice a new habit it is best to choose a place that is already along the path of your daily
routine
Habits are easier to build when they fit into the flow of your life
You are more likely to go to the gym if it is on your way to work
because stopping does not add much friction to your lifestyle
"""
```

{codezilla}

4.قم بعد عدد مرات تكرار الكلمات داخل النص التالي باستخدام طريقتين على الأقل

Count the number of occurrences of each word in the following text using at least two methods.

```python
txt = """One of the most effective ways to reduce the friction associated with
your habits is to practice environment design
In a previous chapter we discussed environment design as a method for making cues more
obvious but you can also optimize your environment to make actions
easier
For example when deciding where to practice a new habit it is best to choose a place that is already along the path of your daily
routine
Habits are easier to build when they fit into the flow of your life
You are more likely to go to the gym if it is on your way to work
because stopping does not add much friction to your lifestyle
"""
```

5.القائمة التالية تحتوي على المنتجات التي اشتراها صديقنا سالم خلال الأيام المختلفة هذا الشهر، وكان من عادة صديقنا أنه يكتب أمام كل يوم المنتجات التي اشتراها، وإذا قام بشراء المنتج أكثر من مرة فإنه يقوم بكتابة مرة أخرى في هذه القائمة، والتي صممها لكي يتتبع على ماذا ينفق أمواله، ولكن بعد انقضاء مدة، يصبح تحديد ما هي المنتجات التي أنفق عليها صعبا كما أمامنا الآن في هذه القائمة، ولذلك سوف نقوم بمساعدته في حل هذه المشكلة، واخباره كم مرة اشترى كل منتج من المنتجات الموجودة في القائمة التي أمامنا هنا

Help our friend Salem know how many times he had bought each item in the following list.

```python
february_shopping_list = {
    1: ['meat', 'chicken', 'chicken',
        'chicken', 'bread', 'chocolate', 'meat'],
    2: ['bread', 'milks', 'butter', 'butter', 'chocolate'],
    3: ['butter', 'meat', 'milks'],
    4: ['butter', 'bread', 'nuts'],
    5: ['butter', 'bread', 'chocolate', 'chocolate'],
    6: ['nuts', 'butter', 'butter',
        'butter', 'chocolate', 'butter'],
    7: ['cheese', 'milks', 'butter', 'nuts'],
    8: ['cheese', 'meat', 'nuts', 'yoghurt', 'cheese'],
    9: ['chocolate', 'milks', 'milks',
        'chocolate', 'milks', 'eggs', 'meat'],
    10: ['yoghurt', 'butter', 'chocolate', 'cheese', 'butter'],
    11: ['cheese', 'meat', 'yoghurt'],
    12: ['eggs', 'chocolate', 'meat', 'eggs', 'butter'],
    13: ['bread', 'eggs', 'yoghurt',
        'yoghurt', 'chicken', 'chocolate'],
    14: ['milks', 'meat', 'meat'],
    15: ['meat', 'chicken', 'butter', 'nuts', 'nuts'],
    16: ['meat', 'meat', 'chicken']
}
```

```
Meat: 12
Chicken: 6
Bread: 5
Chocolate: 10
Milks: 7
Butter: 14
Nuts: 6
Cheese: 5
Yoghurt: 5
Eggs: 4
```

6.الآن قد عرفنا كم مرة اشترى صديقنا سالم كل منتج من المنتجات التي في القائمة، الآن جاء وقت معرفة السؤال الأهم وهو ما مقدار المال الذي أنفقه على كل منتج من المنتجات التالية، وما هو إجمالي ما أنفقه على جميع المنتجات، ولإجابة ذلك ستجد هنا بالأسفل قائمة تحتوي على السعر الخاص بكل منتج كما يلي

Now we have to answer the important question, how much did Salem spend on each item, and overall how much did he pay for all items? And to answer this here are a dictionary with the price of each item.

```python
items_prices = {
    'meat': 250,
    'chicken': 140,
    'bread': 10,
    'chocolate': 20,
    'milks': 42,
    'butter': 75,
    'nuts': 90,
    'cheese': 65,
    'yoghurt': 25,
    'eggs': 120
}
```