In [1]:
```
!pip install jovian
```

```
Requirement already satisfied: jovian in /srv/conda/envs/notebook/lib/python3.8/site-packages (0.2.18)
Requirement already satisfied: pyyaml in /srv/conda/envs/notebook/lib/python3.8/site-packages (from jovian) (5.3.1)
Requirement already satisfied: uuid in /srv/conda/envs/notebook/lib/python3.8/site-packages (from jovian) (1.30)
Requirement already satisfied: requests in /srv/conda/envs/notebook/lib/python3.8/site-packages (from jovian) (2.24.0)
Requirement already satisfied: click in /srv/conda/envs/notebook/lib/python3.8/site-packages (from jovian) (7.1.2)
Requirement already satisfied: certifi>=2017.4.17 in /srv/conda/envs/notebook/lib/python3.8/site-packages (from requests->jovian) (2020.6.20)
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /srv/conda/envs/notebook/lib/python3.8/site-packages (from requests->jovian) (1.25.10)
Requirement already satisfied: chardet<4,>=3.0.2 in /srv/conda/envs/notebook/lib/python3.8/site-packages (from requests->jovian) (3.0.4)
Requirement already satisfied: idna<3,>=2.5 in /srv/conda/envs/notebook/lib/python3.8/site-packages (from requests->jovian) (2.10)
```

In [2]:
```
import jovian
```

In [3]:
```
project_name='python-practice-assignment'
```

In [4]:
```
jovian.commit(project='python-practice-assignment', privacy='secret', environment=None)
```

```
[jovian] Attempting to save notebook..
[jovian] Please enter your API key ( from https://jovian.ml/ ):
API KEY: ·········
[jovian] Creating a new project "kirankumarmb0002/python-practice-assignment"
[jovian] Uploading notebook..
[jovian] Capturing environment..
[jovian] Committed successfully! https://jovian.ml/kirankumarmb0002/python-practice-assignment
```

Out[4]:
```
'https://jovian.ml/kirankumarmb0002/python-practice-assignment'
```

In [ ]:
```
name ="kirankumar"
```

In [9]:
```
age=19
```

In [12]:
```
has_android_phone = True
```

In [13]:
```
name, age, has_android_phone
```

Out[13]:
```
('kirankumar', 19, True)
```

In [14]:
```
person = {"name":"kirankumar","age":19,"has_android_phone":False}
```

In [15]:
```
person
```

Out[15]:
```
{'name': 'kirankumar', 'age': 19, 'has_android_phone': False}
```

In [17]:
```
print("{} is aged {}, and owns an {}.".format(
    person["name"],
    person["age"],
    "Android phone" if person["has_android_phone"] else "iPhone"
))
```

```
kirankumar is aged 19, and owns an iPhone.
```

In [18]:
```
jovian.commit(project=project_name,environment=None)
```

```
[jovian] Attempting to save notebook..
[jovian] Updating notebook "kirankumarmb0002/python-practice-assignment" on https://jovian.ml/
[jovian] Uploading notebook..
[jovian] Committed successfully! https://jovian.ml/kirankumarmb0002/python-practice-assignment
```

Out[18]:
```
'https://jovian.ml/kirankumarmb0002/python-practice-assignment'
```

In [39]:
```
my_list =["blue",1,True]
```

In [22]:
```
my_list
```

Out[22]:
```
['blue', 1, True]
```

In [40]:
```
print('My favorite color is', my_list[0])
```

```
My favorite color is blue
```

In [41]:
```
print('I have {} pet(s).'.format(my_list[1]))
```

```
I have 1 pet(s).
```

In [42]:
```
if(True):
    print("I have previous programming experience")
else:
    print("I do not have previous programming experience")
```

```
I have previous programming experience
```

In [44]:
```
my_list.append(7)
```

In [46]:
```
my_list
```

Out[46]:
```
['blue', 1, True, 7]
```

In [47]:
```
my_list.remove("blue")
```

In [48]:
```
my_list
```

Out[48]:
```
[1, True, 7]
```

In [51]:
```
print("The list has {} elements.".format(len(my_list)))
```

```
The list has 3 elements.
```

In [52]:
```
jovian.commit(project=project_name,environment=None)
```

```
[jovian] Attempting to save notebook..
[jovian] Updating notebook "kirankumarmb0002/python-practice-assignment" on https://jovian.ml/
[jovian] Uploading notebook..
[jovian] Committed successfully! https://jovian.ml/kirankumarmb0002/python-practice-assignment
```

Out[52]:
```
'https://jovian.ml/kirankumarmb0002/python-practice-assignment'
```

In [57]:
```
sum_of_numbers = 0
for i in range(18,534):
    if(i%7==0):
        sum_of_numbers+=i
```

In [58]:
```
print('The sum of all the numbers divisible by 7 between 18 and 534 is', sum_of_numbers)
```

```
The sum of all the numbers divisible by 7 between 18 and 534 is 20461
```

In [59]:
```
jovian.commit(project='python-practice-assignment', privacy='secret', environment=None)
```

```
[jovian] Attempting to save notebook..
[jovian] Updating notebook "kirankumarmb0002/python-practice-assignment" on https://jovian.ml/
[jovian] Uploading notebook..
[jovian] Capturing environment..
[jovian] Committed successfully! https://jovian.ml/kirankumarmb0002/python-practice-assignment
```

Out[59]:
```
'https://jovian.ml/kirankumarmb0002/python-practice-assignment'
```

In [60]:
```
cost_of_flying_plane =5000
```

In [61]:
```
number_of_passengers = 29
```

In [62]:
```
price_of_ticket =200
```

In [63]:
```
profit = (number_of_passengers*price_of_ticket)-cost_of_flying_plane
```

In [64]:
```
print('The company makes of a profit of {} dollars'.format(profit))
```

```
The company makes of a profit of 800 dollars
```

In [65]:
```
tweets = [
    "Wow, what a great day today!! #sunshine",
    "I feel sad about the things going on around us. #covid19",
    "I'm really excited to learn Python with @JovianML #zerotopandas",
    "This is a really nice song. #linkinpark",
    "The python programming language is useful for data science",
    "Why do bad things happen to me?",
    "Apple announces the release of the new iPhone 12. Fans are excited.",
    "Spent my day with family!! #happy",
    "Check out my blog post on common string operations in Python. #zerotopandas",
    "Freecodecamp has great coding tutorials. #skillup"
]
```

In [76]:
```
tweets
```

Out[76]:
```
['Wow, what a great day today!! #sunshine',
 'I feel sad about the things going on around us. #covid19',
 "I'm really excited to learn Python with @JovianML #zerotopandas",
 'This is a really nice song. #linkinpark',
 'The python programming language is useful for data science',
 'Why do bad things happen to me?',
 'Apple announces the release of the new iPhone 12. Fans are excited.',
 'Spent my day with family!! #happy',
 'Check out my blog post on common string operations in Python. #zerotopandas',
 'Freecodecamp has great coding tutorials. #skillup']
```

In [77]:
```
number_of_tweets =len(tweets)
```

In [78]:
```
number_of_tweets
```

Out[78]:
```
10
```

In [69]:
```
happy_words = ['great', 'excited', 'happy', 'nice', 'wonderful', 'amazing', 'good', 'best']
```

In [70]:
```
sad_words = ['sad', 'bad', 'tragic', 'unhappy', 'worst']
```

In [127]:
```
is_tweet_happy = False
number_of_happy_tweets = 0
for i in  tweets:
    sample_tweet =i
    for word in happy_words:
            if word in sample_tweet:
                # Word found! Mark the tweet as happy
                is_tweet_happy = True
                number_of_happy_tweets += 1
```

In [118]:
```
print("Number of happy tweets:", number_of_happy_tweets)
```

```
Number of happy tweets: 6
```

In [119]:
```
happy_fraction =number_of_happy_tweets/10
```

In [120]:
```
print("The fraction of happy tweets is:", happy_fraction)
```

```
The fraction of happy tweets is: 0.6
```

In [126]:
```
is_tweet_sad = False
number_of_sad_tweets = 0
for i in  tweets:
    sample_tweet =i
    for word in sad_words:
            if word in sample_tweet:
                # Word found! Mark the tweet as sad
                is_tweet_sad = True
                number_of_sad_tweets += 1
```