datascience_assignment_2.1

July 11, 2018

0.0.1 Write a program which accepts a sequence of comma separated numbers from console and generate a list

0.1 Steps :

- Using input get a list of comma separated numbers
- split the string using comma as separator
- Use list comprehension to generate the list of numbers

```python
In [2]: # use input to accept a list of
        comma_num_str = input("Enter comma separated string of numbers: ")
        # split the comma separated string of numbers with comma as separator to get array of
        num_str_array = comma_num_str.split(",")
        # Use list comprehension to get list of numbers from array of strings
        try:
            num_list = [int(num_str.strip()) for num_str in num_str_array ]
        except:
            print("Invalid numbers entered")
        else:
            print("number list = " + str(num_list))

Enter comma separated string of numbers: 7,15,-9,45,2,0,52
number list = [7, 15, -9, 45, 2, 0, 52]
```