

Part1 – Que1.

Write a regex to extract all the numbers with orange color background from the below text in italics.

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In [1]: data = {"orders":[{"id":1}, {"id":2}, {"id":3}, {"id":4}, {"id":5}, {"id":6}, {"id":7}, {"id":8}, {"id":9}, {"id":10}, {"id":11}, {"id":648}, {"id":649}, {"id":650}, {"id":651}, {"id":652}, {"id":653}, {"id":3}]}
```

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In [2]: import re

class RegEx:
    """This class will extract all the numbers with orange color background from the given text data.
    Written by : Vikram Singh
    Date: 04/28/2022"""

    def __init__(self, data):
        self.data = data

    def extract_number(self):
        """Method Name: extract_number
        Description: It will return all the extracted numbers."""
        try:
            result = re.findall(r'\s[0-9]+', str(data))
            # \s | Matches whitespace characters, which include the \t, \n, \r, and space characters.
            # [0-9] | Matches from 0 to 9.
            # + | Greedily matches the expression to its left 1 or more times.
            return result
        except Exception as e:
            print('Error: ', e)
```

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In [3]: extract = RegEx(data).extract_number()
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In [4]: print(extract)

[' 1', ' 2', ' 3', ' 4', ' 5', ' 6', ' 7', ' 8', ' 9', ' 10', ' 11', ' 648', ' 649', ' 650', ' 651', ' 652', ' 653', ' 3']
```

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In [ ]:
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