

Beginner Examples 2

January 9, 2022

1 Function that returns a given string in an reversed order

```
[12]: def str_rev(mystr):  
      old_str = mystr.split()  
      rev_str = old_str[::-1]  
      return rev_str
```

```
[13]: str_rev('I am Sri Harsha')
```

```
[13]: ['Harsha', 'Sri', 'am', 'I']
```

```
[14]: # inorder to return the output in the string format  
  
def str_rev(mystr):  
    old_str = mystr.split()  
    new_str = old_str[::-1]  
    return ' '.join(new_str)
```

```
[15]: str_rev('I am Sri Harsha')
```

```
[15]: 'Harsha Sri am I'
```

2 Function that returns True/False if a given number is within 10 numbers from either 100 or 200

```
[21]: def num_check(a):  
      return (abs(100-a) <= 10) or (abs(200-a) <= 10) # an absolute value of an  
      ↪ integer can be obtained from abs()
```

```
[22]: num_check(190)
```

```
[22]: True
```

```
[23]: num_check(110)
```

```
[23]: True
```

```
[24]: num_check(210)
```

```
[24]: True
```

```
[25]: num_check(500)
```

```
[25]: False
```

```
[26]: num_check(10)
```

```
[26]: False
```

3 Function that returns true if consecutive 3's are seen

```
[29]: def cons_3(list):  
        for i in range(0 , len(list) - 1):  
            if list[i] == 3 and list[i + 1] == 3:  
                return True  
        return False
```

```
[32]: cons_3([1,3,4,5,6,3,3])
```

```
[32]: True
```

```
[33]: cons_3([1,2,3])
```

```
[33]: False
```

4 Function that returns a string with 3 characters for every character in the given string

```
[41]: def triple_char(chars):  
        new_str = ''  
        for i in chars:  
            new_str = new_str + i*3  
        return new_str
```

```
[42]: triple_char('harsha')
```

```
[42]: 'hhhhaaarrrrssshhhaaa'
```

```
[43]: triple_char('aslesh')
```

```
[43]: 'aaasssllleeessshhh'
```