

Adding all digits of a number

```
def add(n, ans = 0):  
    if n == 0:  
        return ans  
  
    ans = ans + n % 10  
    return add(n // 10, ans)
```

123

add(341)

8

Reverse the number

```
def rev(n, ans = 0):  
    if n == 0:  
        return ans  
  
    ans = ans * 10 + n % 10  
    return rev(n // 10, ans)
```

rev(123)

321

Harmonic Sum

```
def harmonic_sum(n):  
    # base condition  
    if n == 0:  
        return 0  
  
    return 1/n + harmonic_sum(n - 1)
```

harmonic_sum(5)

2.2833333333333333

Return rounded off value upto 3 decimal places

```
def harmonic_sum(n):  
    # base condition  
    if n == 0:  
        return 0  
  
    return round(1/n + harmonic_sum(n - 1), 3)
```

```
harmonic_sum(5)
```

```
2.283
```

```
# List slicing
```

```
l = [2, 3, 4, 5, 6, 6, 7, 8]
```

```
l[::-1]
```

```
[8, 7, 6, 6, 5, 4, 3, 2]
```

```
print(l)
```

```
[2, 3, 4, 5, 6, 6, 7, 8]
```