



NYU

TANDON SCHOOL
OF ENGINEERING

Lab 1

Organizing Code

Programming for Business Analytics
MG-GY 8401



Agenda

- Data Types
- Containers
- Control Statements



```
>>> float ("12345.34")  
12345.34
```

it works; numeric string is ok

```
>>> int ('23456')  
23456
```

it work!

```
>>> int ('123.45')
```

error: decimal does not work

```
>>> float ("xyz")
```

error: letter character to number



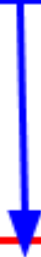
```
Index from rear:    -6   -5   -4   -3   -2   -1
Index from front:    0    1    2    3    4    5

+---+---+---+---+---+---+
| a | b | c | d | e | f |
+---+---+---+---+---+---+

Slice from front:   :    1    2    3    4    5    :
Slice from rear:    :   -5   -4   -3   -2   -1    :
```



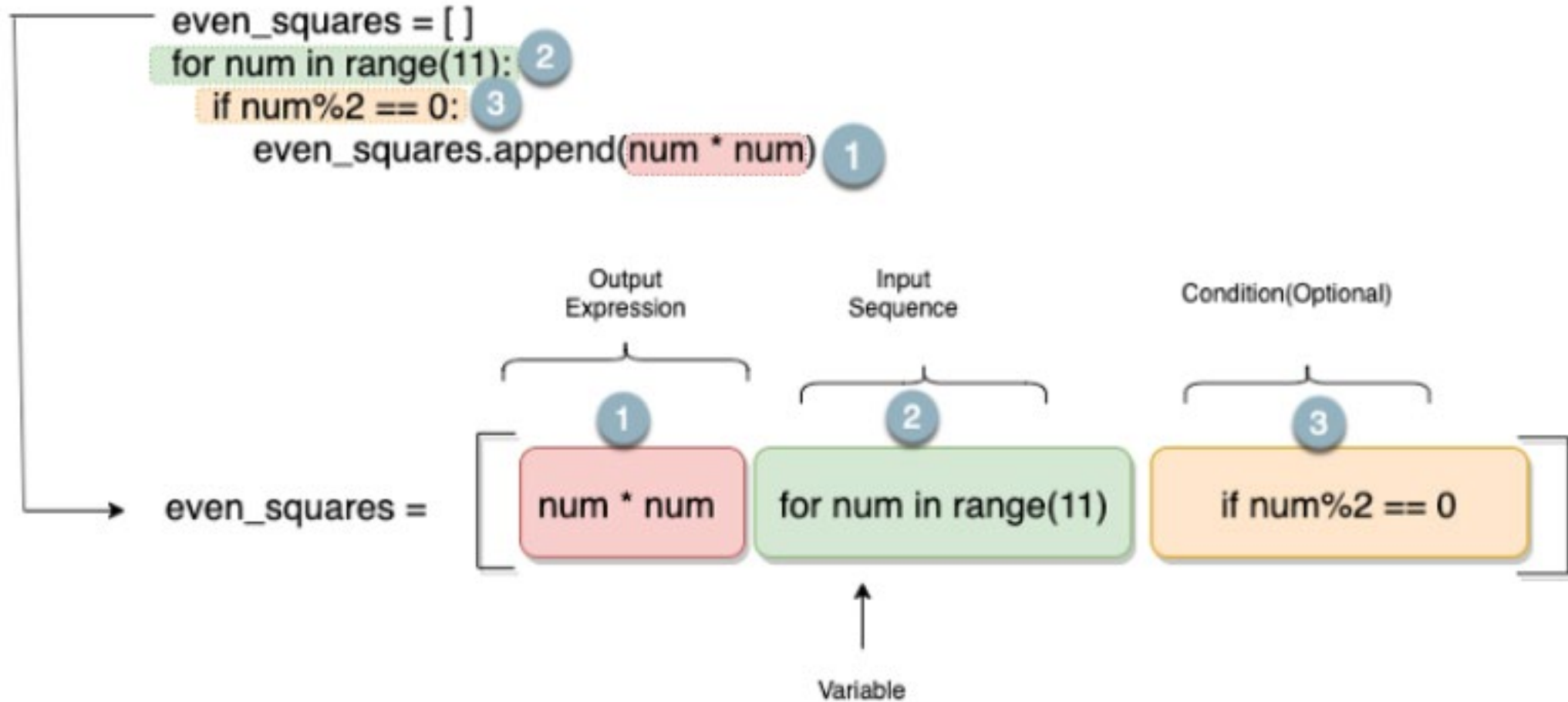
```
'train'.replace('t', 'ing').replace('in', 'de')
```



```
'ingrain'.replace('in', 'de')
```



```
'degrade'
```



Google Books Ngram Viewer



1800 - 2019

English (2019)

Case-Insensitive

Smoothing

