

### Day 14

```
def hello():
    print( " hello world")
invoke it with hello()
def welcome(name):
    print( f'Hello, {name} ")
invoke it with welcome ("amy")
def welcome_greeting(name, greeting)
    print(f' Hey{name}. {greet -
ing }")
invoke it with welcome_greeting(' Liz', "How
are you?") --> Kwargs
def exponent(base,exponent):
    power = base ** exponent
    return power

num1 = 2
num2 = 3
answer = exponent( num 1,num2)
print( answer)
print( exp one nt( 2,3))
def sum(*parameters): --> unlimited parameters
    total = 0
for i in parameters:
    total = total + each_umber
    return total

sum = sum(1, 2,3 ,4,5)
print(sum)
```

### Day 15

```
import pandas as pd
data_list = [45,74,78]
series_of_numbers = pd.series (data_list)
print( serie_s_of_n umb ers[1]) --> 74
Years = [2021, 2022, 2023]
series_of_numbers = pd.series (data= dat -
a_list, index= years)
print( serie_s_of_numbers)
print( serie_s_of_nu mbe rs[ 2021] --> 2021
grades = {'A': 34, 'B': 56}
grade_series = pd.series (data= grades)
print( gra de_series) or print( gra de_ser ies -
['A'])
quiz_scores = {
    'Quiz1': [32,56 ,56],
    'Quiz2': [78,34 ,32]}
df = pd.DataFrame (data= quiz_s cores)
print(df)
# to overwrite -->
df = pd.DataFrame (data= quiz_s cores. index= -
['mike', 'susan', 'amy'])
df.head() --> top 5 rows
df.tail() --> bottom 5 rows
df[40:60] --> rows 40-59
```



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