

Week 1

July 25, 2018

```
In [1]: print("Hello World")
```

Hello World

```
In [2]: names = ['Bob', 'Michael', 'Kevin', 'Sally']
```

```
In [3]: print(names[0])
```

Bob

```
In [7]: for i in names:
        if len(i) == 5:
            print(i)
```

```
File "<ipython-input-7-4a2d5ad472f6>", line 4
print("hello")
^
```

IndentationError: unexpected indent

```
In [9]: n = int(input('Gimme a number! '))
```

```
sum_total = 0
for i in range(1, n + 1):
    sum_total += n ** i

print(sum_total)
```

Gimme a number! 4

340

```
In [ ]: range(n): 0..n-1
```

```
range(a, n): a..n-1
```

```
range(a, n, s): a, a+s, a+2s, ..., <n
```

```
In [10]: n = int(input())

        words = []
        for i in range(n):
            words.append(input())

        joined_string = ' '.join(words)
        # This is a comment
        """This is a
           multiline comment
        """
        print(joined_string)
```

```
4
hello
world
I
sleep
hello world I sleep
```

```
In [11]: base_string = 'aabbaacbabaca'
        substring = 'ba'

        counter = 0
        for i in range(len(base_string)):
            if base_string[i:].startswith(substring):
                counter += 1

        # base_string[1]

        print(counter)
```

```
3
```

```
In [16]: age = 101
        name = 'Bob'

        print(f'hello world, I am {name} and I am {age} years old')
        print('hello world, I am {1} and I am {0} years old'.format(age, name))
        print('hello world, I am %s and I am %d years old' % (name, age))
```

```
hello world, I am Bob and I am 101 years old
hello world, I am Bob and I am 101 years old
hello world, I am Bob and I am 101 years old
```

```
In [18]: print("hello world", end='', sep=)
         print('ok bye')
```

hello worldok bye

```
In [ ]: def function_name(args):
         fjhsbgkdfs1
```