Error Types

- Syntax Error
- Name Error
- Type Error
- Index Error
- Key Error
- ZeroDivisionError
- Indentation Error
- Value Error
- Import Error
- FileNotFoundError
- ...

For further Exceptions (Errors): https://docs.python.org/3/library/exceptions.html

Syntax Error:

invalid syntax in code

Type Error

incompatible data type, operations between incompatible data types

```
In [ ]: print("Banana" + 3)
```

TypeError: can only concatenate str (not "int") to str

Index Error

accessing index which is not existing

```
In [ ]: my_list = [1, 2, 3]
    print(my_list[10])
```

----> 2 print(my_l ist[10])

IndexError: list index out of range

KeyError

example: accessing key of dictionary which is not available

```
In [ ]: my_dict = {"a": 1, "b": 2}
    print(my_dict["car"])
```

----> 2 print(my_d ict["car"])

KeyError: 'car'

ZeroDivisionError

divide by zero

```
In [ ]: x = 5 / 0
```

ZeroDivisionError

Traceback (most recent call last)

c:\Users\M\Desktop\WB_Python1\Python1\10_ErrorTypes\01_ErrorTypes.ipynb
Cell 13 in 1

----> 1 x = 5 / 0

ZeroDivisionError: division by zero

Indentation Error

white spaces missing, incorrect

IndentationError: expected an indented block after 'if' statement on line 1

Value Error

when the function receives a corret type but the content is wrong

```
In [ ]: int("Banana") # Error
int("3") # correct
```

Import Error

```
In [ ]: import bujar
```

FileNotFoundError

FileNotFoundError Traceback (most recent call last)

c:\Users\M\Desktop\WB_Python1\Python1\10_ErrorTypes\01_ErrorTypes.ipynb
Cell 21 in 1

----> 1 with open ("nonexistingfile.txt", "r") as file:

FileNotFoundError: [Errno 2] No such file or directory: 'nonexistingfile.txt'