

Exceptions Handling

1. Exceptions Handling with try-except

```
In [3]: a = 100
        b = 10

        x = ( a * b ) + ( 1000 * a ) / ( a % b )

        print("x =", x)

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ZeroDivisionError                                Traceback (most recent c
all last)
<ipython-input-3-4270020aa9db> in <module>()
      2 b = 10
      3
----> 4 x = ( a * b ) + ( 1000 * a ) / ( a % b )
      5
      6 print("x =", x)

ZeroDivisionError: division by zero
```

```
In [6]: a = 100
        b = 10

        try:
            x = ( a * b ) + ( 1000 * a ) / ( a % b )
            print("x =", x)

        except:
            print("Error: Some thing wrong in x calculation.")

Error: Some thing wrong in x calculation.
```

```
In [7]: a = 100
        b = 10

        try:
            x = ( a * b ) + ( 1000 * a ) / ( a % b )
            print("x =", x)

        except ZeroDivisionError as err:
            print("Error: Some thing wrong in x calculation: ", err)

Error: Some thing wrong in x calculation:  division by zero
```

In [8]:

```
a = 100
b = 10

try:
    x = ( a * b ) + ( 1000 * a ) / ( a / b )
    print("x =", x)

    f = open("mmyfile.txt", "r")
    for line in f:
        print(line, end='')

except ZeroDivisionError as err:
    print("Error: Some thing wrong in x calculation: ", err)

except FileNotFoundError as err:
    print("Error: In file open() ---", err)

print("Hello, Python")
print("Hello, Python")

x = 11000.0
Error: In file open() --- [Errno 2] No such file or directory: 'mmyfile.txt'
Hello, Python
Hello, Python
```

In []: