

Programming

Lesson12 - Try Except

الدرس 12 - حماية البرنامج

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Try - Except - Finally

- ▶ **try** - scope to test a your code for errors
- ▶ **Except** - scope to handle the error
- ▶ **Finally** - scope to execute code, no matter what happened w/ try, except

try:

```
x = int(input('Enter a number'))  
print(1/x)
```

except:

```
print("Divided by 0!!!!")
```

Many exceptions

- ▶ Code might raise different errors

try:

```
x = int(input('Enter a number'))  
print(1/x + y)
```

except NameError:

```
    print('One of the variables is not defined')
```

except ZeroDivisionError:

```
    print("Divided by 0!!!!")
```

except: *# any other error*

```
    print('something happened')
```

finally: *# will always be executed*

```
    print("Finished")
```

Raise error

```
x = input('Enter a positive number')  
val = int(x)  
if val < 0:  
    raise ValueError('Value must be positive')
```

Let's try...😊

- ▶ Open PyCharm:
 - ▶ Create new file: try_except.py
 - ▶ Start coding 😊

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Thank you 😊!

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Stay tuned for more!