

CHAPTER 15: EXCEPTION HANDLING

15.1 TRY-EXCEPT

15.1.1 Basic Structure

<PYTHON>

```
try:
    result = 10 / 0
except ZeroDivisionError:
    print("Cannot divide by zero")
```

15.1.2 Multiple Exceptions

<PYTHON>

```
try:
    file = open("data.txt", "r")
    data = int(file.read())
except FileNotFoundError:
    print("File not found")
except ValueError:
    print("Invalid number")
```

15.1.3 Finally Block

<PYTHON>

```
try:
    file = open("data.txt", "r")
    content = file.read()
except FileNotFoundError:
    print("File not found")
finally:
    if 'file' in locals():
        ...
```

15.1.4 Raising Exceptions

<PYTHON>

```
def divide(a, b):  
    if b == 0:  
        raise ValueError("Cannot divide by zero")  
    return a / b
```

```
try:  
    result = divide(10, 0)
```

```
except ValueError as e:
```

```
    Revision #1
```

```
    print(e)  
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```
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```