try, except and finally statements

These are used to **handle exceptions (errors)** that may occur during code execution.

- try block contains code that might raise an exception,
- except handles the exception,
- and finally runs code that should execute no matter what happens.

Syntax:

```python
try:
    # Code that may raise an exception
except SomeException:
    # Code to handle the exception
finally:
    # Code that always runs, even if an exception is raised
```

try, except and finally

```python
print("Hello")
print(1/0)
```

It give error to overcome this issue we use try

```
Hello
```

ZeroDivisionError   Traceback (most recent call last)
Cell In[66], line 2
      1 print("Hello")
----> 2 print(1/0)

ZeroDivisionError: division by zero

```python
# example of try, except and finally
try:
    print("Hello")
    print(1/0)
except ZeroDivisionError:
    print("Divide by zero error.")
finally:
    print("This will execute no matter what.")
```

Now no error bec we use try method

```
Hello
Divide by zero error.
This will execute no matter what.
```

```python
# example of try, except and finally
try:
    print("Hello")
    print(1/5)
except ZeroDivisionError:
    print("Divide by zero error.")
finally:
    print("This will execute no matter what.")
```
✓ 0.0s

Hello
0.2
This will execute no matter what.