```
In [2]:
class DataFormatError(Exception):
    """Raised when data isn't in the expected format."""
    pass
class EmptyFileError(Exception):
    """Raised when the file is empty."""
    pass
def read and process file(file path):
    try:
        with open(file path, 'r') as file:
            data = file.read().strip()
            if not data:
                raise EmptyFileError("The file is empty.")
            numbers = [int(num) for num in data.split()]
            if len(numbers) < 2:</pre>
                raise DataFormatError("Data must contain at least two numbers.")
            result = sum(numbers) / len(numbers)
            return result
    except FileNotFoundError:
        print("Error: The file was not found. Please check the file path.")
    except ValueError:
        print("Error: The file contains non-integer values that cannot be processed.")
    except TypeError:
        print("Error: There was a type error in the data processing.")
    except DataFormatError as e:
        print(f"DataFormatError: {e}")
    except EmptyFileError as e:
        print(f"EmptyFileError: {e}")
    except Exception as e:
        print(f"An unexpected error occurred: {e}")
file path = "sample data.txt"
result = read and process file(file path)
if result:
    print(f"The average of the numbers is: {result}")
EmptyFileError: The file is empty.
In [4]:
class DataFormatError(Exception):
```

```
pass
def read and process file(file path):
        with open(file path, 'r') as file:
            data = file.read().strip()
            if not data:
                 raise EmptyFileError("The file is empty.")
            numbers = [int(num) for num in data.split()]
            if len(numbers) < 2:</pre>
                 raise DataFormatError("Data must contain at least two numbers.")
            result = sum(numbers) / len(numbers)
            return result
    except FileNotFoundError:
        print("Error: The file was not found. Please check the file path.")
    except ValueError:
        print("Error: The file contains non-integer values that cannot be processed.")
    except TypeError:
        print("Error: There was a type error in the data processing.")
    except DataFormatError as e:
        print(f"DataFormatError: {e}")
    except EmptyFileError as e:
        print(f"EmptyFileError: {e}")
    except Exception as e:
        print(f"An unexpected error occurred: {e}")
file path = "ample data.txt"
result = read and process file(file path)
if result:
    print(f"The average of the numbers is: {result}")
Error: The file contains non-integer values that cannot be processed.
In [ ]:
```