```python
try:
    num1 = int(input("Enter numerator: "))
    num2 = int(input("Enter denominator: "))
    result = num1 / num2
    print("Result:", result)
except ZeroDivisionError:
    print("Error: You cannot divide by zero!")
except ValueError:
    print("Error: Please enter valid integers.")
finally:
    print("Execution completed.")
```

Run   Division by Zero ×

```
C:\Users\RAHUL\PycharmProjects\PythonProject\.venv\Scripts\python.exe
Enter numerator: 10
Enter denominator: 5
Result: 2.0
Execution completed.

Process finished with exit code 0
```

```python
try:
    filename = input("Enter file name: ")
    with open(filename, 'r') as file:
        content = file.read()
        print("File Content:\n", content)
except FileNotFoundError:
    print("Error: File not found.")
except PermissionError:
    print("Error: You don't have permission to access this file.")
except Exception as e:
    print("Unexpected error:", e)
finally:
    print("File operation finished.")
```

Run   Handle File Errors ×

```
C:\Users\RAHUL\PycharmProjects\PythonProject\.venv\Scripts\python.exe
Enter file name: sample.txt
File Content:
 Hello, this is my first file.
Python file handling example.
File operation finished.
```

```python
class NegativeNumberError(Exception):  2 usages
    pass
try:
    num = int(input("Enter a number: "))
    if num < 0:
        raise NegativeNumberError("Negative numbers are not allowed!")
    print("You entered:", num)
except NegativeNumberError as e:
    print("Custom Error:", e)
except ValueError:
    print("Invalid input!")
finally:
    print("Program finished.")
```

Run   Custom Exception Example ×

```
C:\Users\RAHUL\PycharmProjects\PythonProject\.venv\Scripts\python.exe "C:\Users
Enter a number: 5
You entered: 5
Program finished.

Process finished with exit code 0
```