lab5\_Exception handling\_ANP-C7281 and ANP- C7374

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**1. Write a Python program to handle a ZeroDivisionError exception when dividing a number by zero.**

**PROGRAM :**

try:

    numerator = 10

    denominator = 0

    result = numerator / denominator

    print("Result:", result)

except ZeroDivisionError:

    print("Error: Division by zero!")

**OUTPUT :**

Error: Division by zero!

2. Write a Python program that prompts the user to input an integer and raises a ValueError exception if the input is not a valid integer.

**PROGRAM :**

try:

    user\_input = input("Please enter an integer: ")

    integer\_value = int(user\_input)

    print("You entered:", integer\_value)

except ValueError:

    print("Error: Invalid input. Please enter an integer.")

**OUTPUT :**

Please enter an integer: 5

You entered: 5

3. Write a Python program that opens a file and handles a FileNotFoundError exception if the file does not exist.

**PROGRAM :**

try:

    file\_path = input("Enter the file path: ")

    with open(file\_path, 'r') as file:

        content = file.read()

        print("File content:\n", content)

except FileNotFoundError:

    print("Error: File not found at the specified path.")

**OUTPUT :**

Enter the file path:

Error: File not found at the specified path.