Practical No. 7

AIM:- Write a Python program that takes two numbers from the user and handles exceptions such as divide-by-zero and invalid input using `try`, `except`, `else`, and `finally` blocks.

Theory:

 # Program to divide two numbers with exception handling

```
try:
     # Taking input from the user
     num1 = float(input("Enter first number: "))
     num2 = float(input("Enter second number: "))

     # Division operation
     result = num1 / num2

except ValueError:
     # Handles invalid input (e.g., text instead of numbers)
     print("Error: Please enter valid numeric values.")

except ZeroDivisionError:
     # Handles division by zero
     print("Error: Division by zero is not allowed.")

else:
     # Executes if no exception occurs
     print("The result of division is:",result)

finally:
     # Always executes (whether exception occurs or not)
     print("Program execution completed.")
```

Output:

Result: