Equivalence classes are designed to systematically categorize inputs, ensuring that testing is comprehensive across diverse scenarios.

1. **Normal Input Ranges:**

Inputs within typical ranges like i=1,j=10. Inputs with identical starting and ending values, such as i=5,j=5. Inputs with distinct starting and ending values.

Equivalence classes are designed to systematically categorize inputs, ensuring that testing is comprehensive across diverse scenarios. The following classes address various aspects of the provided code:

1. Special Values:

Negative integers as potential inputs,Zero as a distinct input,Large positive integers, representing potential upper limits.

1. Boundary Values:

Testing the smallest valid input values, testing the largest valid input values (e.g., i=999999, j=1000000).

1. Edge Cases:

Inclusive handling of both even and odd numbers within the range.Testing scenarios where the range exclusively consists of either even or odd numbers.

1. Error Handling:

Scenarios where non-integer inputs are provided.Handling cases where the input stream unexpectedly terminates (EOFError).