Assignment-1: Test Cases For Addition Of Two Numbers

Assuming that x is the first number and y is the second.

- Verify that x and y accept all possible numbers including
  (Natural, Whole, Rational, Irrational, Real, Complex, Even , Odd, Prime, Composite, Decimal, Fractional, Positive and Negative numbers).

- Enter X as Natural number and Y as a Whole number result should be a Natural number.
- Enter X as Natural number and Y as an Integer number result should be an Integer number.
- Enter X as Natural number and Y as a Rational number result should be a Rational number.
- Enter X as Natural number and Y as an Irrational number result should be an Irrational number.
- Enter X as Natural number and Y as a Real number result should be a Real number.
- Enter X as Natural number and Y as a Complex number result should be a Complex number.

- Enter X as Whole number and Y as an Integer number result should be an Integer number.
- Enter X as Whole number and Y as a Rational number result should be a Rational number.
- Enter X as Whole number and Y as an Irrational number result should be an Irrational number.
- Enter X as Whole number and Y as a Real number result should be a Real number.
- Enter X as Whole number and Y as a Complex number result should be a Complex number.

- Enter X as Integer number and Y as a Rational number result should be an Integer number.
- Enter X as Integer number and Y as a Irrational number result should be an Irrational number.
- Enter X as Integer number and Y as a Real number result should be a Real number.
- Enter X as Integer number and Y as a Complex number result should be a Complex number.

- Enter X as Rational number and Y as an Irrational number result should be an Irrational number.

- Enter X as Rational number and Y as a Real number and check the result.
- Enter X as Rational number and Y as a Complex number and check the result.

- Enter X as Irrational number and Y as a Real number and check the result.
- Enter X as Irrational number and Y as a Complex number and check the result.

- Enter X as Real number and Y as a Complex number and check the result.

- Enter X as Even number and Y as an Odd number result should be an Odd number.
- Enter X as Positive number and Y as Negative number result should be an Integer number.
- Enter X as Prime number and Y as a Composite number and check the result.
- Enter X as Decimal number and Y as a Fractional number and check the result.
- Enter the equal values of x and y and check the result.