|  |  |
| --- | --- |
| Complex implement Cloneable | Class name, implement cloneable |
| a : double  b : double | Declare variables a and b of type double |
| +clone() : Object  +Complex()  +Complex(a: Double)  +Complex(a: Double, b: Double)  +getRealPart():Double +getImaginaryPart(): Double  +addition(n1: Complex, n2: Complex): void  +subtract(n1: Complex, n2: Complex): void  +multiply(n1: Complex, n2: Complex): void  +divide(n1: Complex, n2: Complex): void  +abs(n1: Complex, n2: Complex): void  +toString(): String | * Implementation of clone method * No-Argument constructor ( a and b = 0) * Accepts one argument (b = 0) * Accepts 2 arguments(references a and b to Object) * Returns Real part of complex number equation * Returns Imaginary part of complex number equation * Implement addition method of complex numbers * Implement subtraction method of complex numbers * Implement Multiplication method of complex numbers * Implement division method of complex numbers * Implement absolute value method of complex numbers * Implement toString method to print results |

UML Diagram