Class: MyLong

- value: long

+ Mylong(long newValue)
+ getValue (): long
+ isEven(): boolean
+ isOdd(): boolean
+ isPrime(): Boolean
+ isEven(v2: long): boolean
+ isOdd(v2: long): boolean
+ isPrime(v2: long): boolean
+ isEven(v2: MyLong): boolean
+ isOdd(v2: MyLong): boolean
+ isPrime(v2: MyLong): boolean
+ equals(testInt: long): boolean
+ equals(v2: MyLong): Boolean
+ parseInt(values: char[]): long
+ parseInt(value: String): long

Class: StackOfIntegers

- elements: int[]
- size: int
- factor: int

+ StackOfIntegers()
+ StackOfIntegers(size: int)
+ setFactor(f: int)
+ empty(): boolean
+ peek(): int
+ push(value: int)
+ pop(): int
+ getSize(): int

Class: Course

- courseName: String
- students[]: String[]
- numberOfStudents: int

+ Course(courseName: String)
+ addStudents(student: String)
+ expandCourse(): String[]
+ getStudents(): string[]
+ getNumberOfStudents(): int
+ getCourseName(): String
+ clear()

+ dropStudent(student: String):

Class: Circle
- x: double - y: double - r: double - dist: double
+ Circle() + Circle(CX: double, CY: double, rad: double) + getR(): double + getArea(): double + getPerimeter(): double + contains(X: double, Y: double): boolean + contains(circle: Circle): boolean + overlaps(circle: Circle): boolean