Lab 7 UML

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MyLong

-value:long

- +MyLong(long:int):void
- +getLong():int
- +isEven():boolean
- +isOdd():boolean
- +isPrime():boolean
- +isEven(value:long):boolean
- +isOdd(value::long):boolean
- +isPrime(value:long):boolean
- +IsEven(MyLong: longObj): boolean
- +isOdd(myLong: longObj): boolean
- +isPrime(myLong:longObj):boolean
- +equals(long):boolean
- +equals(MyLong):booelan
- +parseLong(char[]):long
- +parseLong(String):long

Circle

- -x:Double
- -y:Double
- -radius:Double
- +Circle()
- +Circle(x:Double, y:Double, radius:Double)
- +getX()Double
- +getY():Double
- +getRadius():Double
- +getArea():Double
- +getPerimeter():Double
- +contains(x:Double, y:Double):boolean
- +contains(circle: Circle):boolean
- +overlap(circle:Circle):boolean

Course

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

- +Course():void
- +getCourseName():String
- +getStudents: String[]
- +getNumberOfStudents: int
- +dropStudent(student:String):void
- +clear():void

StackOfIntegers

- -elements: int[]
 -size: int
- +StackOfIntegers()
- +StackOfIntegers(size: int)
- +empty():boolean
- +peek():int
- +push(value:int):void
- +pop():int
- +getSize():int