|  |
| --- |
| MyInteger |
| * value: int |
| + MyInteger(value: int)  + getValue(): int  + isEven(): boolean  + isOdd(): boolean  + isPrime(): boolean  + isEven(integer: int): boolean  + isOdd(integer: int): boolean  + isPrime(integer: int): boolean  + isEven(integer: MyInteger): boolean  + isOdd(integer: MyInteger): boolean  + isPrime(integer: MyInteger): boolean  + equals(integer: MyInteger): boolean  + parseInt(character: char[]): int  + parseInt(character: String): int |

Problem10\_3

Problem10\_5

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

Problem10\_9

|  |
| --- |
| Course |
| * courseName: String * students: String[] * numberOfStudents: int |
| + Course(courseName: String)  + addStudent(student: String): void  + getStudent() : String[]  + getNumberOfStudents(): int  + getCourseName(): String  + dropStudent(student: String): void  + clear(): void |

Problem10\_11

|  |
| --- |
| Circle2D |
| * x: double * y: double * radius: double |
| + Circle2D()  + Circle2D(x: double, y: double, radius: double)  + getRadius(): double  + getX(): double  + getY(): double  + getArea(): double  + contain(x: double, y: double): boolean  + contain(circle: Circle2D): boolean  + contain(circle: Circle2D): boolean |