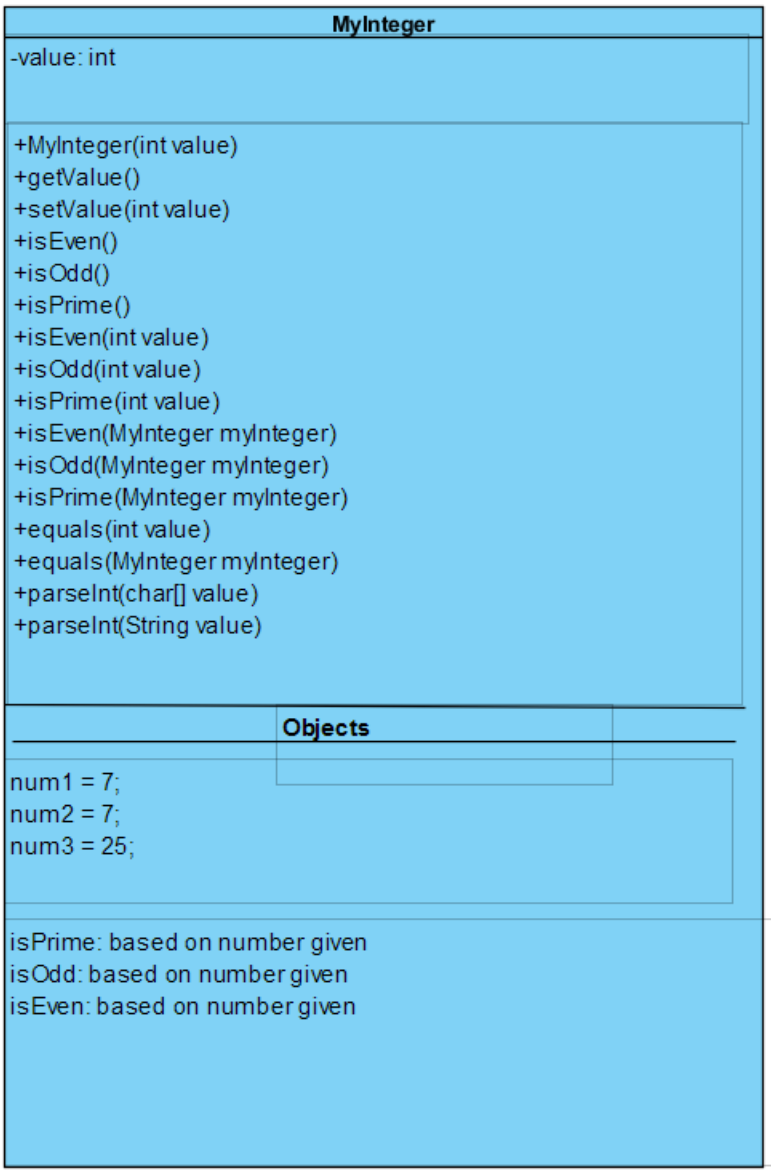
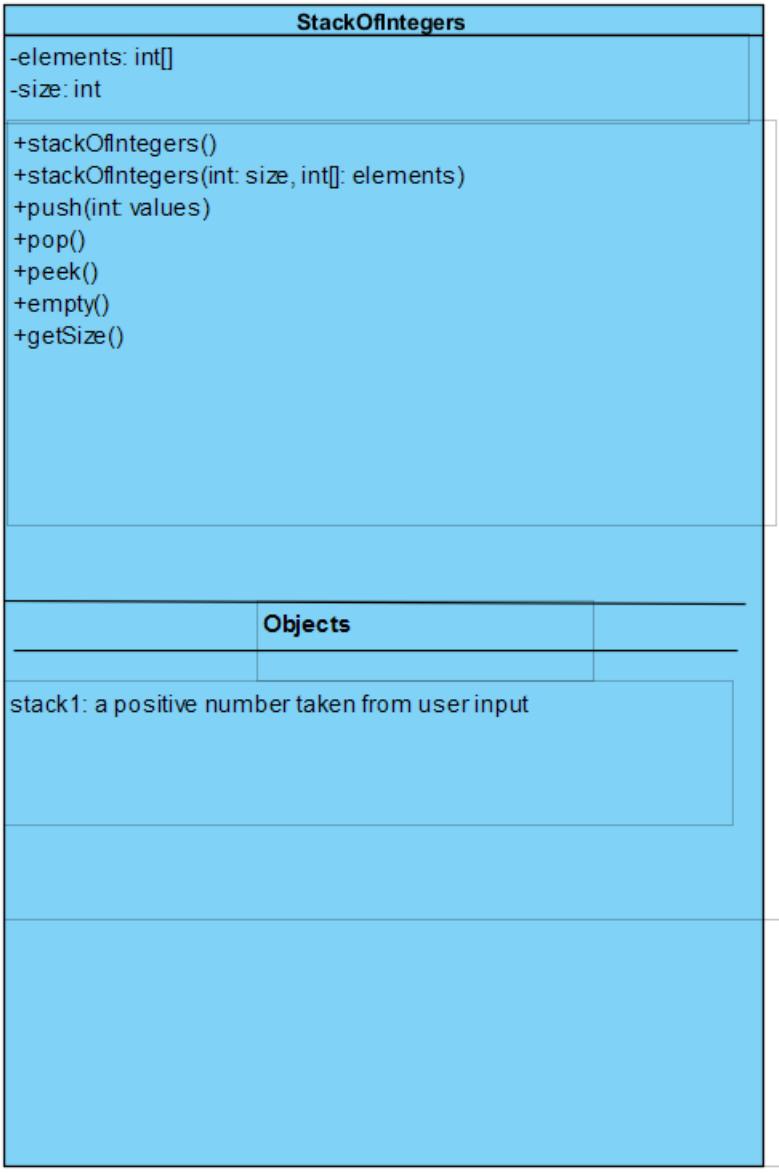
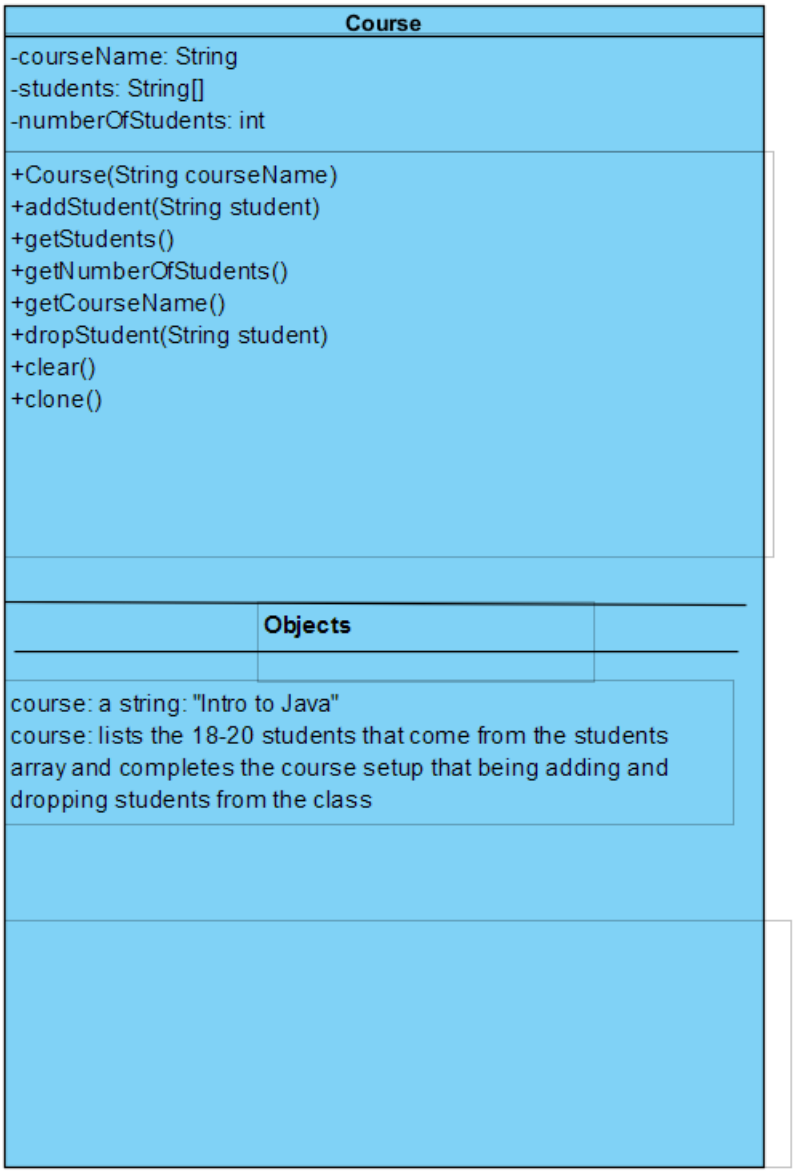
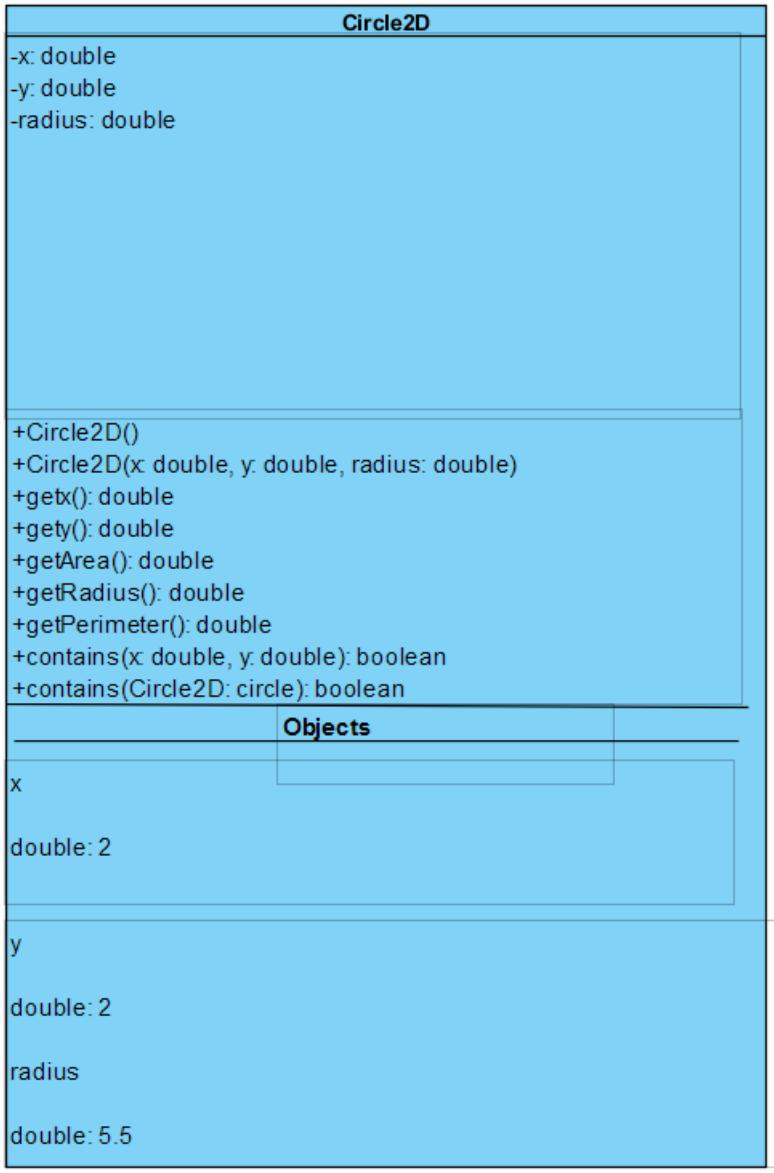
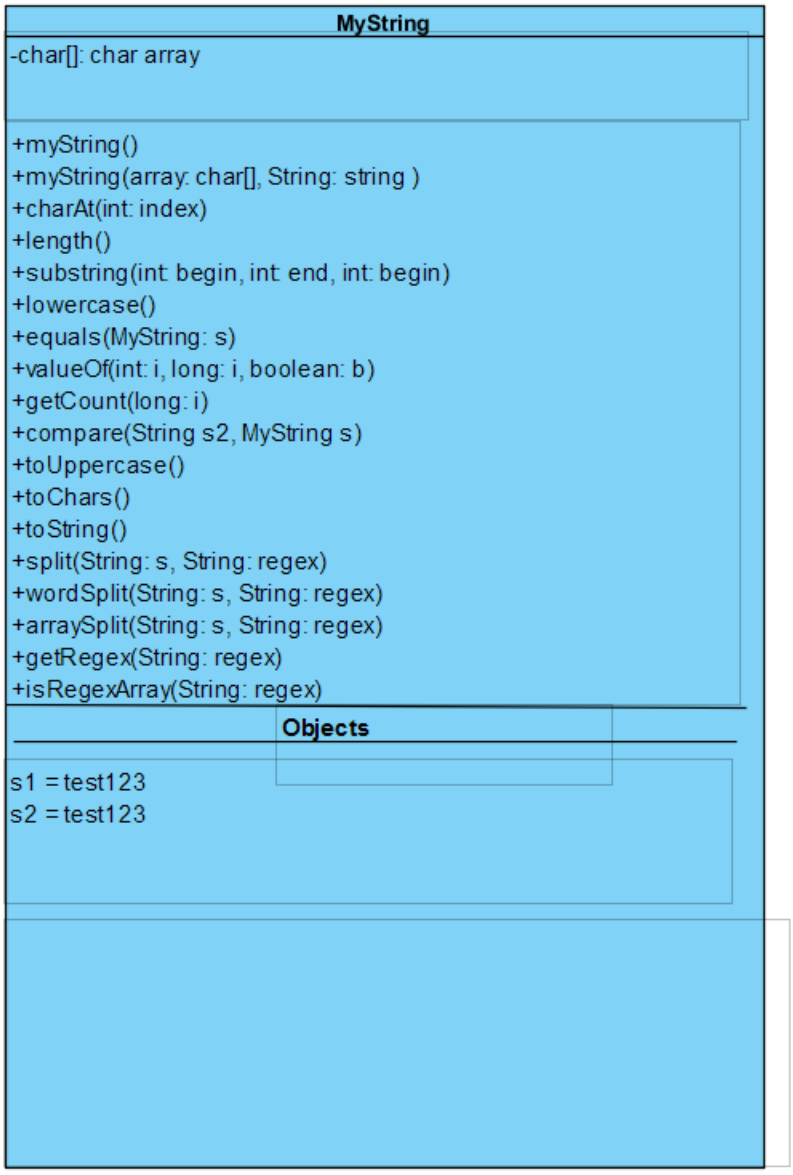
Joseph Weiner
CMPT220L-112-17S
Professor Juan Arias




StackOfIntegers
-elements: int[]
-size: int
+stackOfIntegers()
+stackOfIntegers(int: size, int[]: elements)
+push(int: values)
+pop()
+peek()
+empty()
+getSize()
Objects
stack1: a positive number taken from user input


Course
-courseName: String
-students: String[]
-numberOfStudents: int
+Course(String courseName)
+addStudent(String student)
+getStudents()
+getNumberOfStudents()
+getCourseName()
+dropStudent(String student)
+clear()
+clone()
Objects
course: a string: "Intro to Java"
course: lists the 18-20 students that come from the students array and completes the course setup that being adding and dropping students from the class


Circle2D
-x: double
-y: double
-radius: double
+Circle2D()
+Circle2D(x: double, y: double, radius: double)
+getx(): double
+gety(): double
+getArea(): double
+getRadius(): double
+getPerimeter(): double
+contains(x: double, y: double): boolean
+contains(Circle2D: circle): boolean
Objects
x
double: 2
y
double: 2
radius
double: 5.5


MyString
-char[]: char array
+myString()
+myString(array: char[], String: string)
+charAt(int: index)
+length()
+substring(int: begin, int: end, int: begin)
+lowercase()
+equals(MyString: s)
+valueOf(int: i, long: i, boolean: b)
+getCount(long: i)
+compare(String s2, MyString s)
+toUppercase()
+toChars()
+toString()
+split(String: s, String: regex)
+wordSplit(String: s, String: regex)
+arraySplit(String: s, String: regex)
+getRegex(String: regex)
+isRegexArray(String: regex)
Objects
s1 = test123
s2 = test123