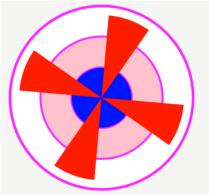
CS5405HW (Due Thursday November 14, 2019 in class) Your Name (Uppercase)

I showed you the demo in the class with circles and arcs. Read and understand JavaFX8 GUI Shapes. This Homework is extension of Problem 14.9 page 587. This enforces your learning of color and shapes circle, arc, animation Timeline. Once you have a function for creating one fan, you can call it any number of times to create multiple fans (interactively in the next assignment). You may make your display as fancy as possible. Here is a sample of one fan. You may design the fan as you like. Ask me in the class to see fans created by your previous class fellows.

Add user interface to start, pause, and reverse buttons.



Deliverables

- 1. Place .java files in source directory, compiled byte code will be in "code" directory
- 2. Create a jar file Demo.jar containing the folders: source and code, and a manifest file in source directory.
- 3. Upload Demo.jar file to Canvas
- 4. Bring to class a printed copy of java source code, a sample of program execution output of the program
- 5. Attach assignment page on top of the printed copy for grade feedback. Write your name on it.
- 6. You will write your own code. If any sort of plagiarism occurs, guidelines were given in the class. Copying the program will result in loss of ALL credit and will be reported to dept for proper credit.

Late Homework will not be graded. Do not ask for partial credit for turning in late, it will not happen. The grader has his own exams, classes, interviews. He is not paid for grading the same work multiple times. It is not at all fair to you or the grader to accept late work. You have a week to do it. If you have any questions ask me Tuesday. It gives you plenty of time to ask question to do it on time.

Use javadoc style comments. *No UML diagram required*. Use java conventions for naming classes, methods and variables. Name your program and files names accurately. You may use any java code from the examples in the book or demos on the Canvas.

	The program doesn't have	The program had	The program has correct	The program has correct
HW	correct interaction and produces	correct interaction,	interaction, produces correct	interaction, produces
	incorrect results. Does not meet	does not produce	results. It does not meet all the	correct results. It meets all
	naming specifications. Not	correct results, does	requirements like, naming	the requirements like
	turned in on time. Or Does not	not meet	conventions, documentation.	naming conventions,
	compile as specified.	specifications.		documentation.
Syntax(Prog)	Inadequate	Need help	Adequate	Excellent
	0-5	5-6.5	6.5-8.5	8.5-10
Your Score				

Check mark Self assessment

- [5] Does it have author page with correct description: name, email, phone, ownership copyright etc.
- [5] Does it have correct Problem Description
- [5] Does it have references if any. Sources are to be cited to make your work authentic and to give credit the original author(s).
- [] [5] does it have start, pause, and reverse buttons.
- [] [5] does start, pause, and reverse buttons function
- [] [10] Does it have a working correct Demo.jar file

Grading script to ensure that your program works in all aspects

jar -xvf Demo.jar # extract (xvf orxf) all files from Demo.jar

my Demo.jar DemoOld.jar # retain Demo.jar

rm -r code # remove old code and docs directories, cleanup

rm -r docs

javac -d . source/*.java # compile source code

javadoc -d docs -version -author -private -quiet source/*.java # make javadoc documentation jar -cmf m.txt Demo.jar * # make Demo.jar (cvmf or cmf) # execute application java -jar Demo.jar