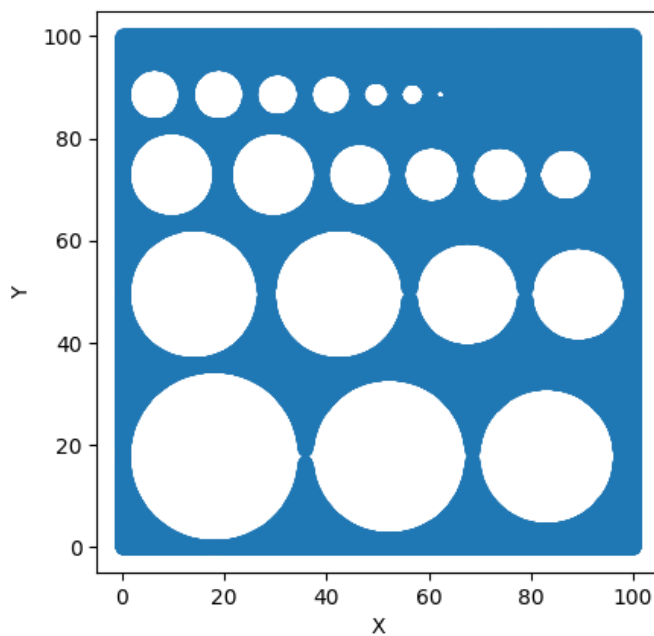
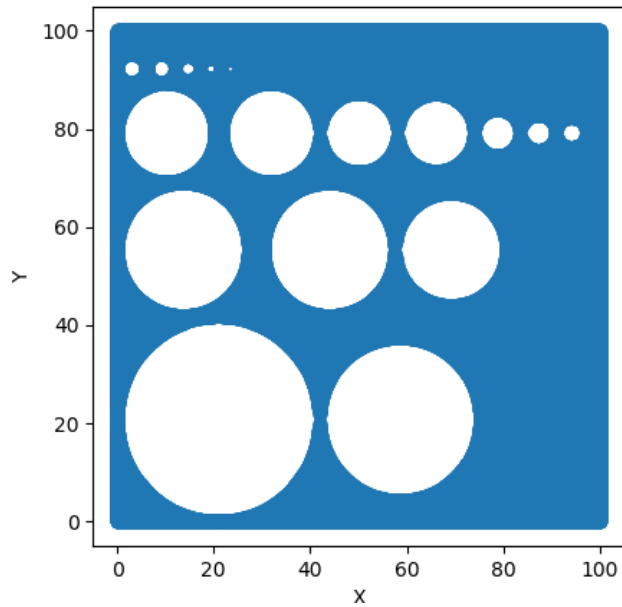


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ASSIGNMENT-3

Q1)

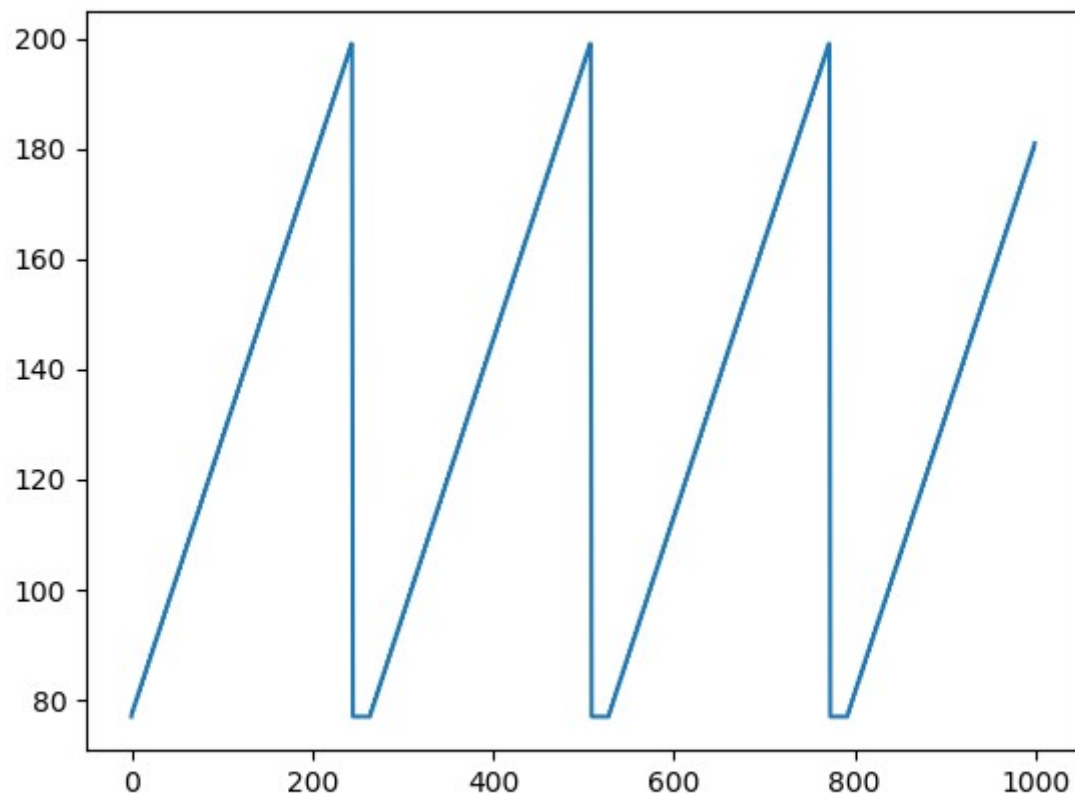
Not the optimal solution to fit random circles in a square.



x=78.9 y=51.0

Q2)

Plotted Temp. vs Time graph. Stored Temp. Data in a file. Used awk to check all temperature data to classify as fit or unfit.



```
File Edit View Search Terminal Help
praks@praks:~/notebook/Assignments/ME19B103-Assn3$ ./Q2TempCheck.sh
Temperature: 77
Temperature: 78
Temperature: 78
Temperature: 79
Temperature: 79
Temperature: 80
Temperature: 80
Temperature: 81
Temperature: 81
Temperature: 82
Temperature: 82
Temperature: 83
Temperature: 83
Temperature: 84
Temperature: 84
Temperature: 85
Temperature: 85
Temperature: 86
Temperature: 86
Temperature: 87
Temperature: 87
Temperature: 88
Temperature: 88
```

Modified the data stored in file to check whether error flag is shown on exceeding limit temperature

```
File Edit View Search Terminal Help
Temperature: 170
Temperature: 171
Temperature: 171
Temperature: 172
Temperature: 172
Temperature: 173
Temperature: 173
Temperature: 174
Temperature: 174
Temperature: 175
Temperature: 175
Temperature: 176
Temperature: 176
Temperature: 177
Temperature: 177
Temperature: 178
Temperature: 178
Temperature: 179
Temperature: 179
Temperature: 180
Temperature: 180
Temperature: 181
!!!!TEMP Exceeded UNFIT!!!!!!
praks@praks:~/notebook/Assignments/ME19B103-Assn3$
```