

Real Life Example:
Recycling to make arts
and crafts

Iteration: The
process of doing
tasks over and
over

Can be solved through

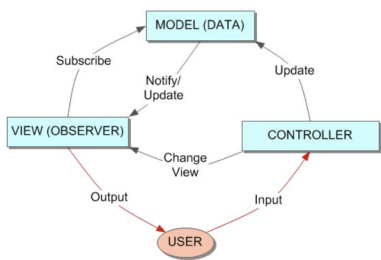
Algorithmic
Problems

Sorting a List

Searching a Sorted a List

Example: Searching for a
document in different
folders.

Main Idea



Grades problem

Data

Classes

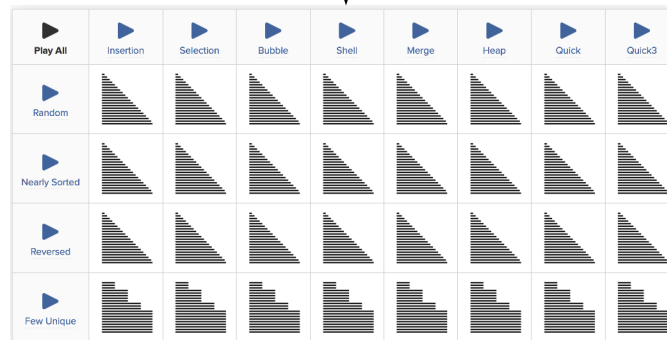
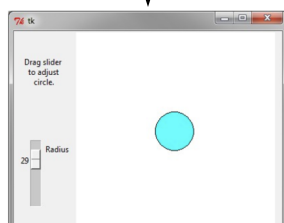
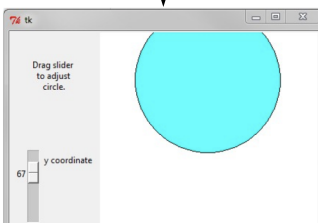
Interface

Grade
Percentage

Update Date

Sort by
variable

Ability to
change
sorting
variable

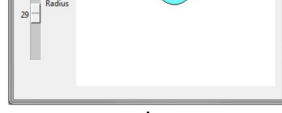


Fastest version of Sorting of 8

Process works by finding the largest and
smallest portions. Then sorts the lines by the
average of their size compared to the largest
and smallest.



Uses same GUI,
except the slider
controls the Y
coordinate of the
circle's position



Changes the
circle's radius
based on the
position of the
slider