Lab Report of Python Programming

Lab 7: GUI Programming Credit hour: 2

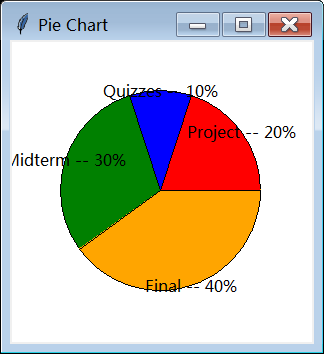
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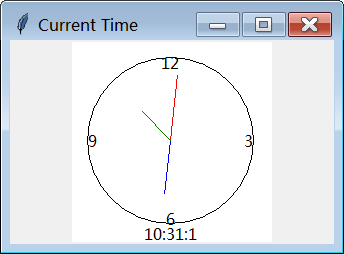
1. Objective

Know how to create a GUI application with Tkinter.

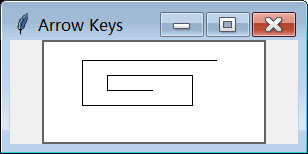
1. Lab content
   1. (Display a pie chart) Write a program that uses a pie chart to display the percentages of the overall grade represented by the project, quizzes, the midterm exam, and the final exam. Suppose that project is weighted as 20 percent of the grade and is displayed in red, quizzes are 10 percent and are displayed in blue, the midterm exam is 30 percent and is displayed in green, and the final exam is 40 percent and is displayed in orange.



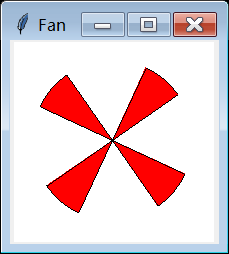
* 1. (Display a clock) Write a program that displays a clock to show the current time. To obtain the current time, use the datetime class.



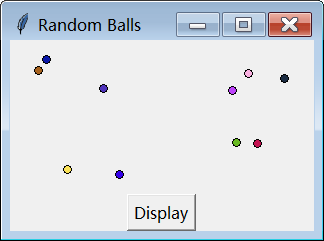
* 1. (Draw lines using the arrow keys) Write a program that draws line segments using the arrow keys. The line starts from the center of the frame and draws toward east, north, west, or south when the Right arrow key, Up arrow key, Left arrow key, or Down arrow key is clicked.



* 1. (Display a running fan) Write a program that displays a fan running.



* 1. (Display balls with random colors) Write a program that displays ten balls with random colors and placed at random locations.



1. Code list
2. Output
3. Analysis and conclusions