

LabVIEW Exercises

1. Create a program which calculates the average of 4 numbers.
 - a. The 4 numbers should be “controls” and not “constants”.
 - b. Please use the following 4 controls: Numerical Control, Horizontal Slider, Vertical Slider and Knob.
 - c. Show the answer (average of 4 numbers) using Numerical Display, Meter, Thermometer and Gauge.
 - d. If the answer (average of 4 numbers) is bigger than 5, then light up an LED.
 - e. Write the program such that it can run continuously. Timing is not important.

2. Create a program to compare the heights of two persons (“Person A” and “Person B”).
 - a. Use two numerical indicators and label them “Person A” and “Person B”.
 - b. Find the function to compare the two numbers.
 - c. If Person A is taller than Person B, display a message “A is taller than B”. If Person B is taller than Person A, display a message “B is taller than A”.
 - d. Make the program run continuously, with an update rate of 100ms.