Assignment 7
(*t*-Test for Single Mean, Difference of Means)

1. A random sample of 10 boys with the following IQs: 70, 120, 110, 101, 88, 83, 95, 98, 107, and 100. Write down the R programming code to test whether the data support the assumption of a population mean IQ of 100 at 5 % level of significance.

2. The mean height and the standard deviation height of 8 randomly chosen soldiers are 166.9 cm and 8.29 cm respectively. The corresponding values of 6 randomly chosen sailors are 170.3 cm and 8.50 cm respectively. Write down the R programming code to test whether the soldiers are shorter than the sailors on the basis of average height.