

## **SELECTION - REPETITION ASSIGNMENT**

1. Write a program which prompts the user to enter the age and height in cm. of teenage boys (ages 13 - 18). The program should compute and print out the average height of the boys in each category. If the user types ages below 13 or above 18 or a height less than or equal to zero an appropriate response should be made. You should use custom made input boxes that only accept numeric input.

### **BONUS QUESTIONS:** (Choose One )

2. The population of Doorknocker Ontario is currently at 4290 and is growing at a rate of 4.2% per year. It's twin in New Mexico is currently at 3250 but is growing at a rate of 9% per year. Write a program which will determine when the town of doorknocker (New Mexico) will overtake Koorknocker (Ontario). The output of the program should consist of a year by year display of the towns populations ending with the final answer to the question indicating the 'year of takeover'
3. The Sum Program

