1. Write a program that converts from 24-hour notation to 12-hour notation. For example, it should convert 14:25 to 2:25 P.M.

   - The input is given as two integers.

   - There should be at least three functions: one for user input (which will be 2 integers), one to do the conversion, and one for output to the screen. *There should be no global variables in your program*, so you will need in some cases to use pass-by-reference function parameters.

   - Record the A.M./P.M. information determined by the conversion function as a value of type char, 'A' for A.M. and 'P' for P.M. The function for doing the conversion will return false if the integers passed to it do not correspond to a 24 hour clock time.

   - Include a loop that lets the user repeat this computation for new input values again and again until the user says he or she wants to end the program.

   - NOTE THAT THERE SHOULD BE NO GLOBAL VARIABLES IN YOUR PROGRAM.