

## CMPS 250 - Spring 2020

The image shows a screenshot of the Pepy9 MPP assembler interface. The window is titled "Pepy9" and has a menu bar with "File", "Edit", "Build", "View", "System", and "Help". Below the menu bar is a toolbar with various icons. The main window is divided into three panes. The top pane, titled "Source Code - PEP.pep", displays the assembly source code for "PMJ's MPP ver2012.0 ...". The code includes global variables for temporary static storage (TEMP, JUNK, SAVED, SAVEA, SAVEX, SAVEPP) and a main routine that prompts the user for a small positive integer and another value. The middle pane, titled "CPU", shows the status of various registers: Accumulator (0xFFFF, -5), Index Register (0x0011, 17), Stack Pointer (0xFB8F, 64399), Program Counter (0x02B2, 690), Instruction Specifier (00000000, STOP), and Operand Specifier. The bottom pane, titled "Input/Output", shows the terminal output of the program, including the prompts and the user's input. The right pane, titled "Assembler Listing - PEP.pep", shows the assembly listing for the source code, including the object code and the assembly instructions.