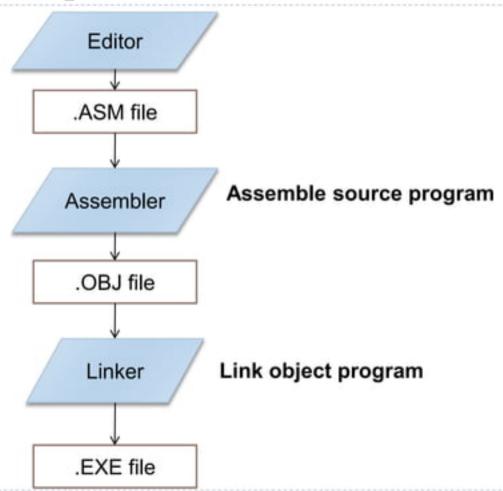
Creating & Running a Program

Using Emulator

Programming Steps

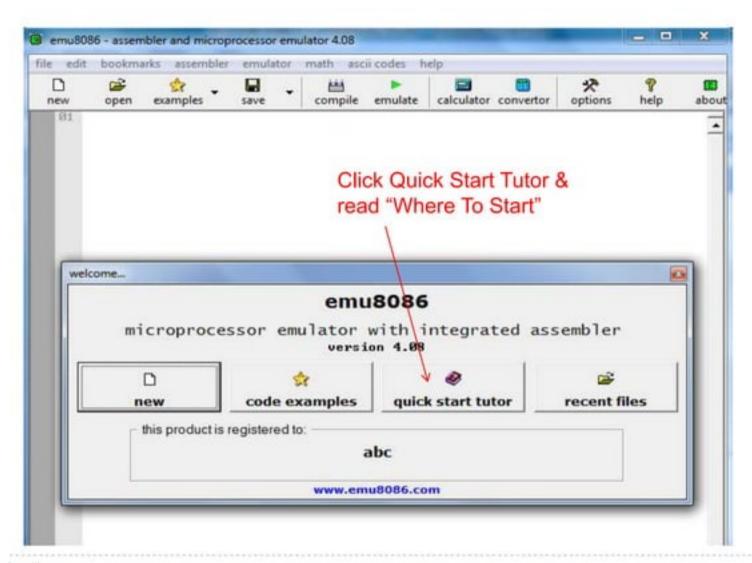
Create source program

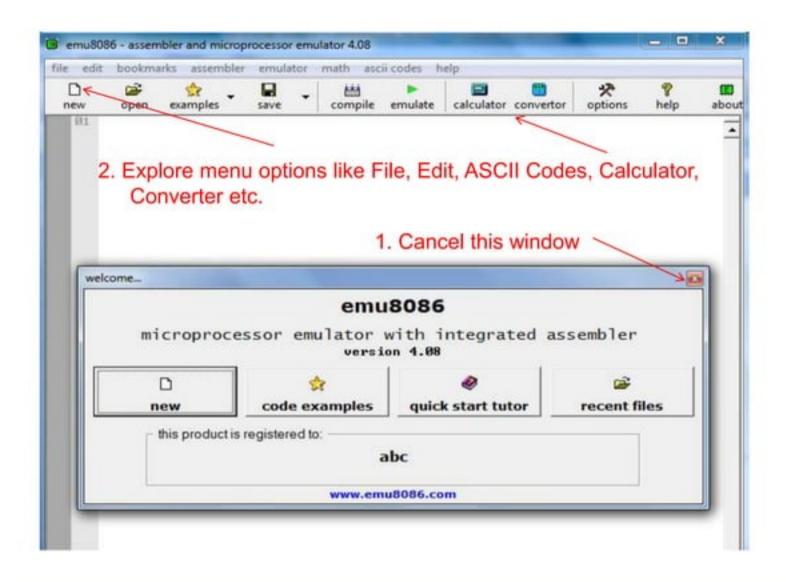


How to Open?

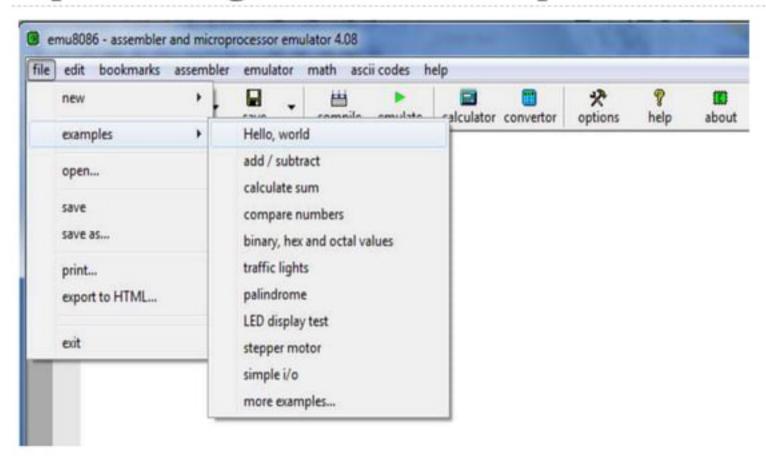
- ▶ Go To Start Menu → Find emu8086 in Programs OR
- Double click following icon on your desktop:



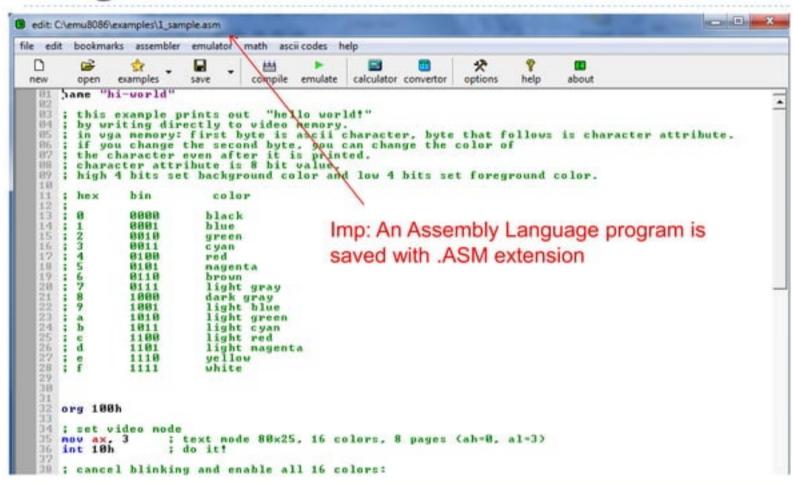




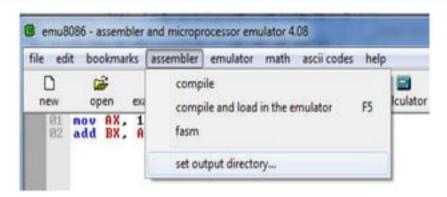
Open a Program from Examples

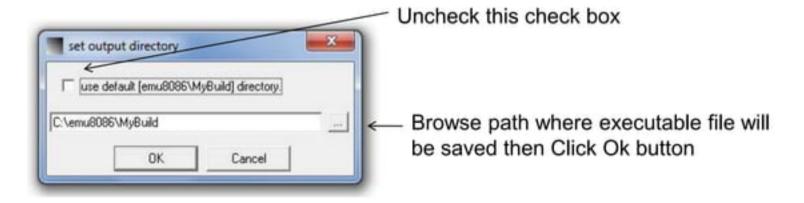


Program loaded in Editor



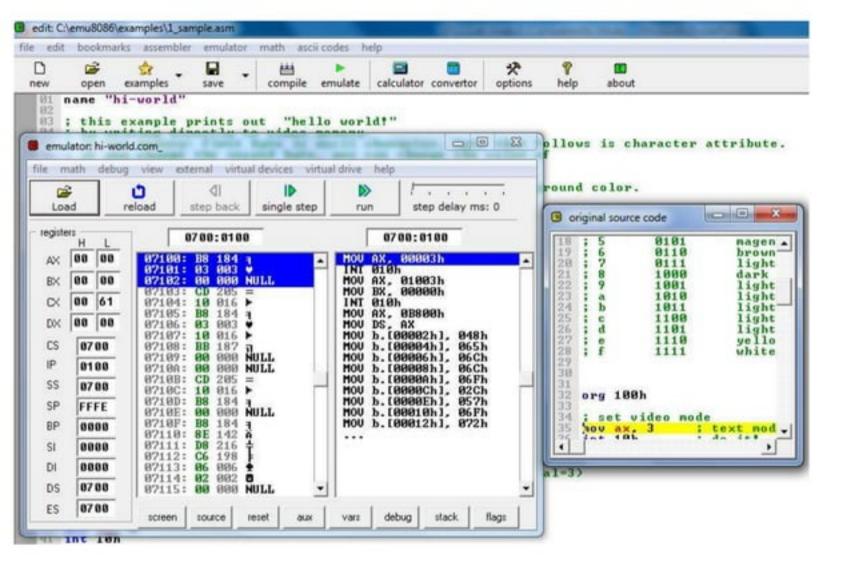
How to change Output Directory

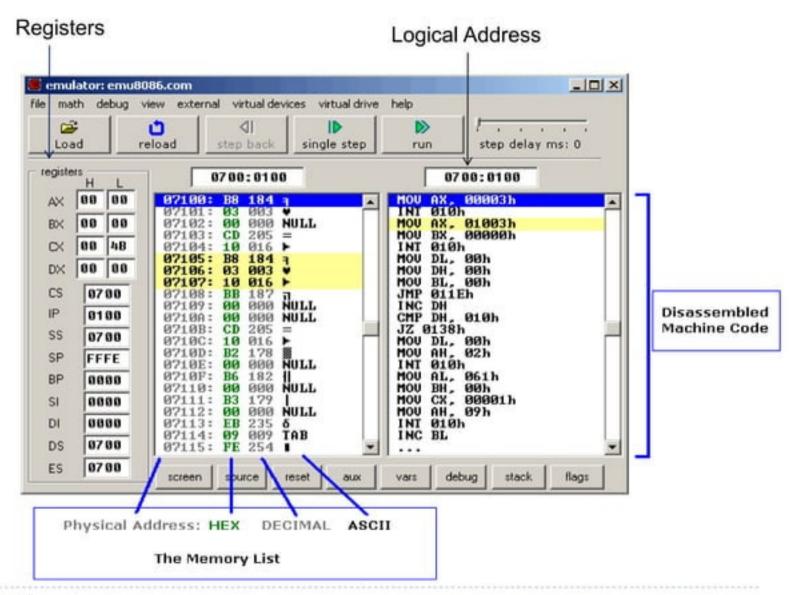




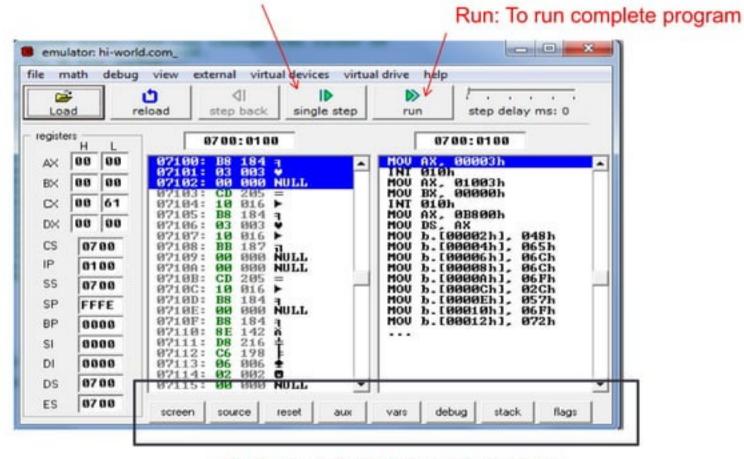
How To Run Program

```
edit: C:\emu8086\examples\1 sample.asm
      bookmarks assembler emulator
                              math ascircodes help
compile emulate calculator convertor
new
            examples
                       save
                                                              options
                                                                             about
    hame "hi-world"
 102
    ; this example prints out
    ; by writing directly to video memory.
    ; in vga memory: first byte is ascii character, byte that follows is character attribute.
    ; if you change the second byte, you can change the color of
    : the character even after it is printed.
    : character attribute is 8 bit value.
    ; high 4 bits set background color and low 4 bits set foreground color.
    : hex
              bin
                          color
 12
                                           Click Emulate Button
              RRRRR
                         black
              0001
                         blue
              8818
                         green
              8811
                         cyan
              8188
                         red
              8181
                         nagenta
              0110
                         brown
              8111
                         light gray
              1888
                         dark gray
              1881
                         light blue
              1919
                         light green
                         light cyan
              1811
              1100
                         light red
              1181
                         light magenta
              1110
                         vellow
              1111
    org 100h
    ; set video node
                    : text node 80x25, 16 colors, 8 pages (ah-0, al-3)
    nov ax. 3
    int 18h
      cancel blinking and enable all 16 colors:
```



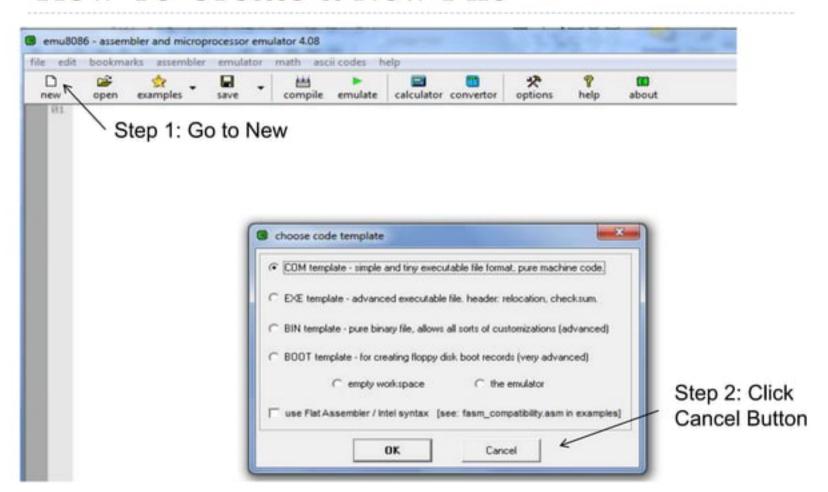


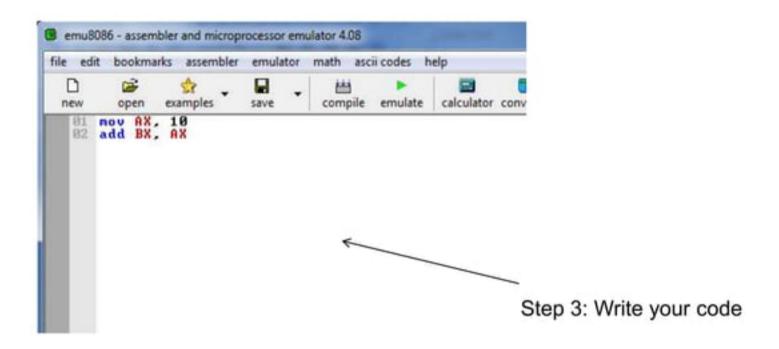
Single Step: To execute instruction one by one i.e. stop after each instruction



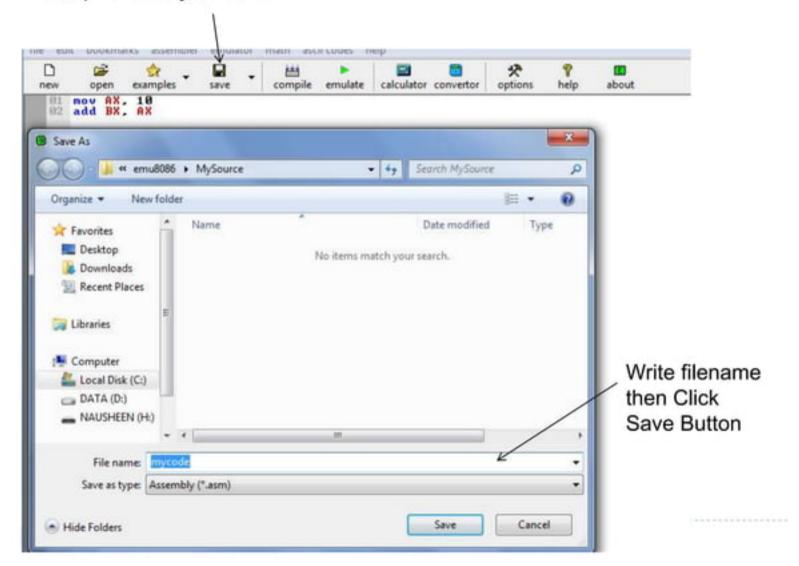
Explore what these buttons display!

How To Create a New File





Step 4: Save your code



Step 5: Emulate Program

