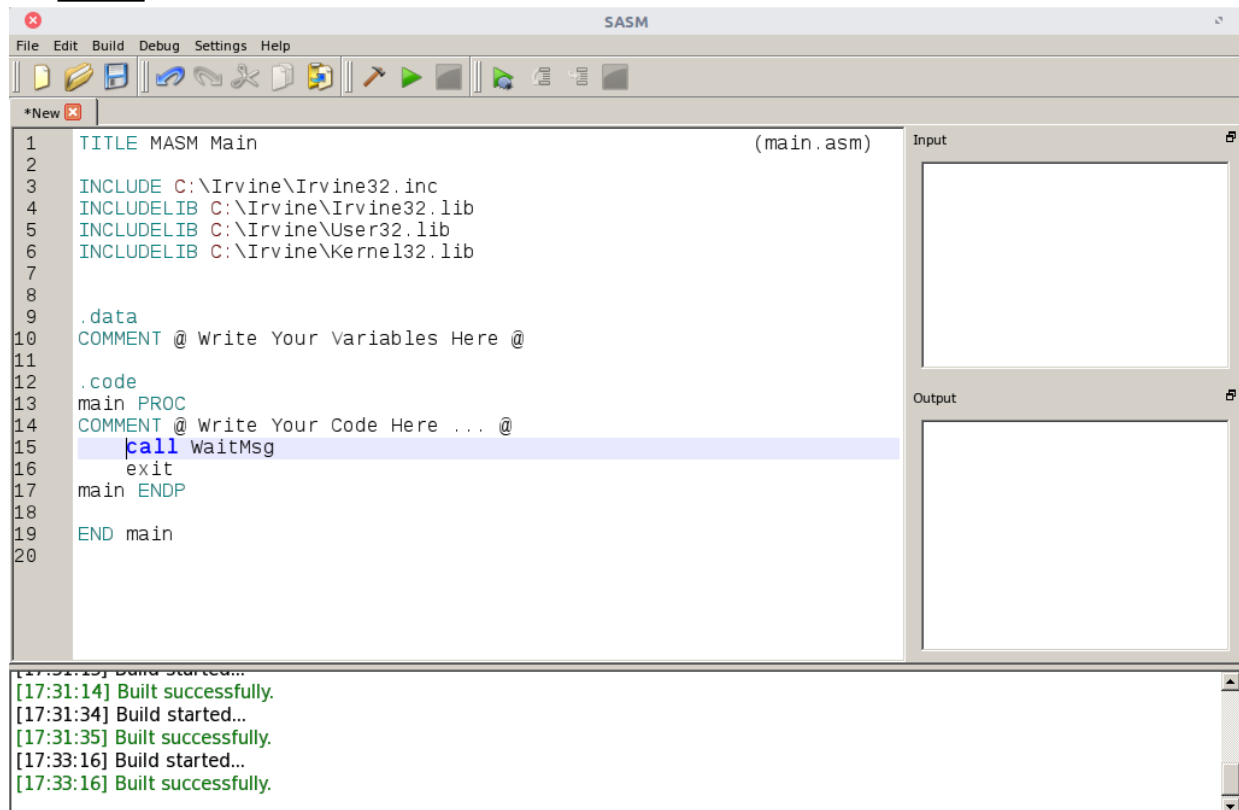


How To Run MASM assembler on GUN/Linux

TOOLS:

- Wine
 - An app that use to run Microsoft windows on Linux and Mac.
 - Can be installed directly from - Ubuntu Software Center -

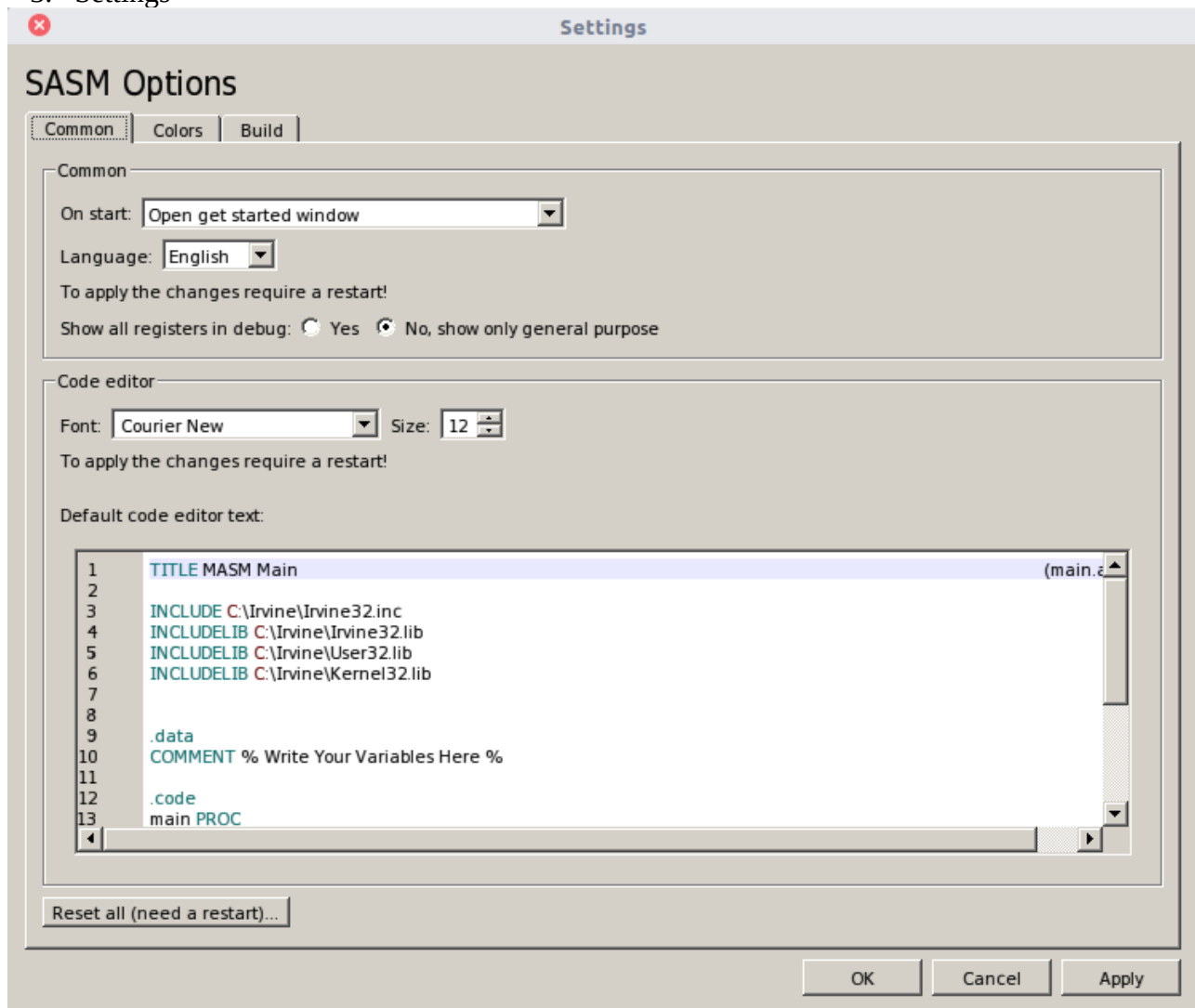
- SASM



- This will be the IDE that we will code on
 - We will use the windows version of this application
 - link - <https://dman95.github.io/SASM/SASMSetup320.exe>
- MASM
 - The assembler – This is something acts like a compiler
 - link - <http://website.assemblercode.com/masm32/masm32v11r.zip>
 - Extract and install it
- Irvine Libraries
 - These are the libraries of Irvine that we will use along our course
 - link - http://www.kipirvine.com/asm/examples/Irvine_7th_Edition.msi

Installation:

1. Download all the previous links and install them.
2. Open SASM
3. Settings



4. At “default code editor text” .. replace it with:

```
TITLE MASM Main      (main.asm)
```

```
INCLUDE C:\Irvine\Irvine32.inc
INCLUDELIB C:\Irvine\Irvine32.lib
INCLUDELIB C:\Irvine\User32.lib
INCLUDELIB C:\Irvine\Kernel32.lib
```

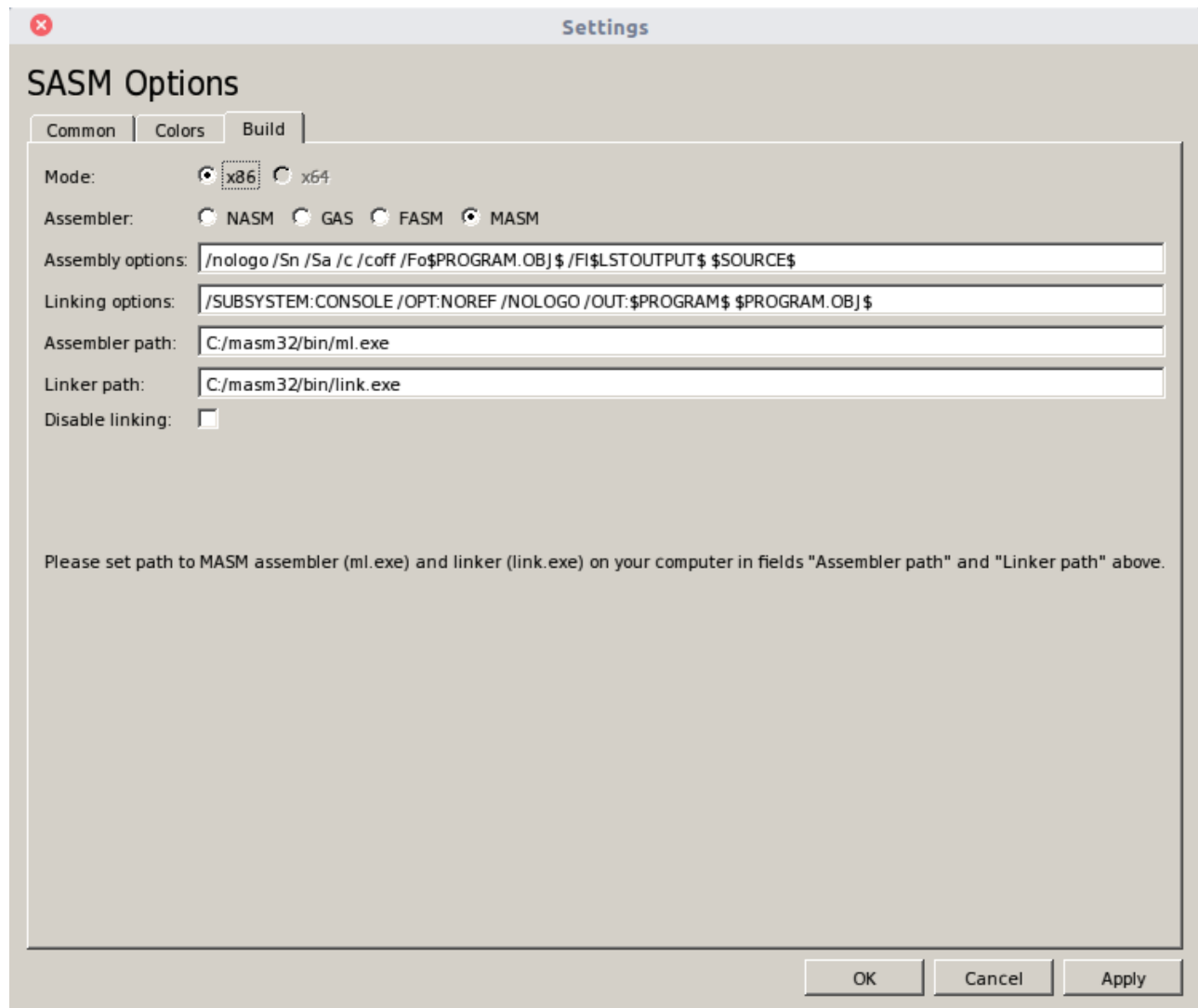
```
.data
    COMMENT % Write Your Variables Here %
```

```
.code
main PROC
    COMMENT % Write Your Code Here ... %
```

```
    call WaitMsg
    exit
main ENDP
```

```
END main
```

5. Change the assembler into MASM



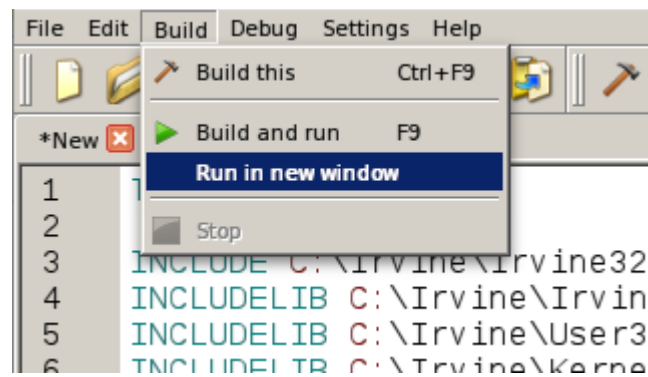
6. Now press Apply then Ok
7. from File > New

Assemble and Run:

1. Build
 - o press the build button



2. Run
 - from Build > Run in new window



~ Enjoy ~