

Documentation

What is ICE?

ICE is a program that compiles TI-BASIC-like language to the faster machine code, ASM. Since the calculator directly reads ASM, it don't need to compile TI-BASIC, and run that ASM code, thus compiled programs would be much faster. In this version, v1.0, you're pretty limited (see the commands list), but enough to make some awesome programs/games.

Limitations

In the current version, you can only use 1-byte integers. This will be extended very soon to 3-byte integers, to have more possibilities. *Note: if you go above 255 (1 byte) it will ALMOST always take modulo 256 of the result.*

How to install

If you don't use CEmu

- 1) Connect your calc to your computer/laptop with TI-Connect CE and a cable
- 2) Transfer program ICE to your calculator

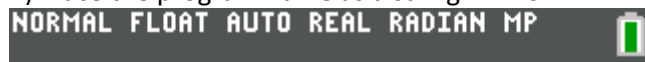
If you use CEmu

- 1) Open CEmu
- 2) Drag and drop program ICE to CEmu

You are now ready to use it.

How to use it

- 1) Be sure you have a program to be compiled
- 2) Place the program name as a string in Ans



NORMAL FLOAT AUTO REAL Radian MP

"PRGMNAME
PRGMNAME.....
■

- 3) Call Asm (prgmICE)


```
NORMAL FLOAT AUTO REAL Radian MP   
"PRGMNAME  
PRGMNAME.....  
Asm(PrgmICE)■
```

4) If all goes right, it will now compile your program

5) If you are fast enough, you will see a black rectangle appearing; don't worry about that

6) ICE creates a new program with the name LOL. If you already have a program with the name LOL, it will be overwritten.

7) Now can run your compiled program by calling `Asm(prgmLOL)`

```
NORMAL FLOAT AUTO REAL Radian MP   
Asm(PrgmLOL)
```