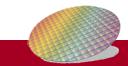


Mars 安裝教學

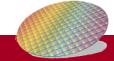


安裝Java



- 安裝Mars前要先安裝Java
- 1. 進入以下網址
- https://java.com/zh_TW/
- 2. 點 "免費Java下載"
- 3. 點"同意並開始免費下載"
- 4. 打開下載的安裝檔安裝Java





安裝Mars

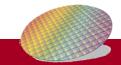


- 1. 進入以下網址
- http://courses.missouristate.edu/kenvollmar/mars/download.htm
- 2. 點選左上方 "Download Mars" 按鈕

Download MARS V4.5, Aug. 2014 (jar archive including Java source code)

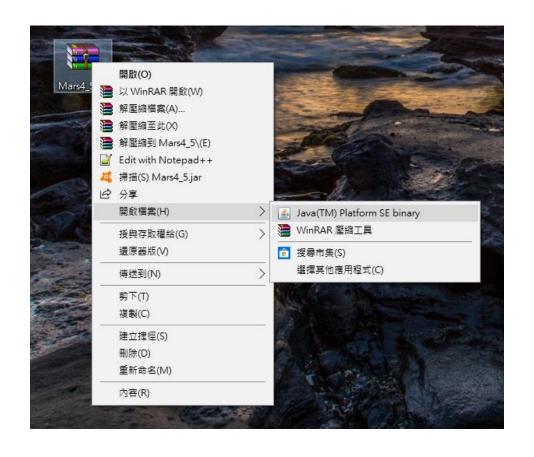
Note: Is your MARS text unreadably small? Download and use a new release <u>Java 9</u>, which contains a fix to automatically scale and size AWT and Swing components for High Dots Per Inch (HiDPI) displays on Windows and <u>Linux</u>. <u>Technical details</u>.

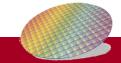
• 會下載一個"Mars4_5.jar"檔案



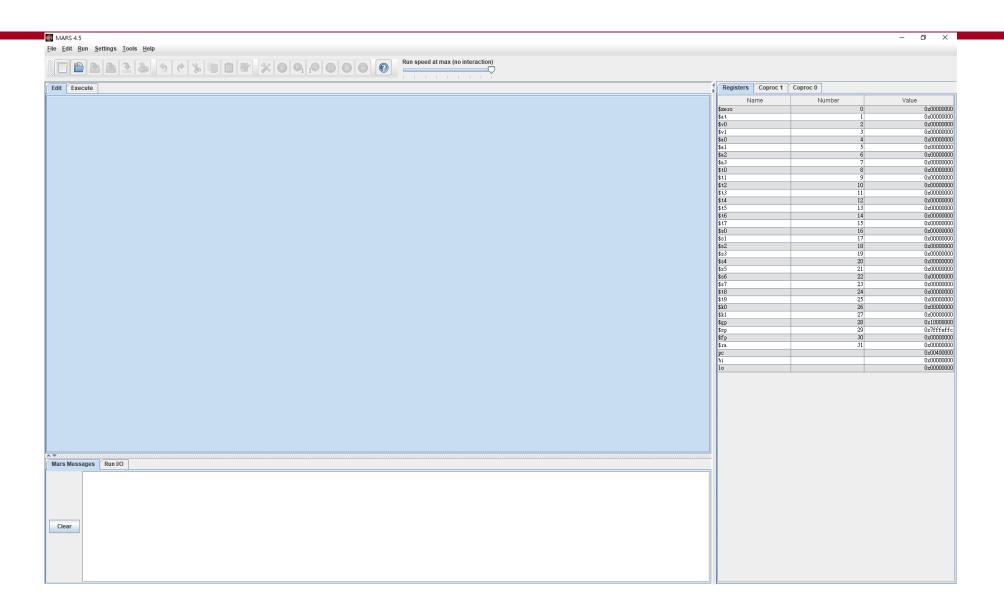
3. 不要解壓縮,按右鍵選"開啟檔案",用Java開

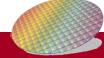






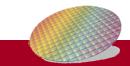






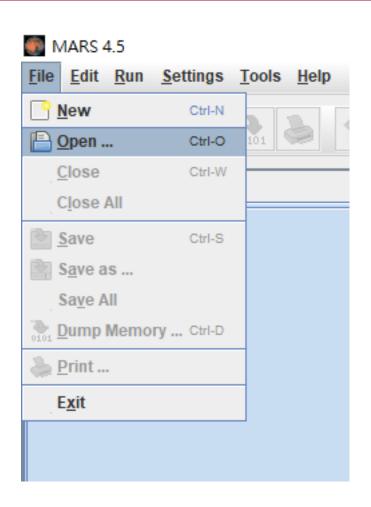


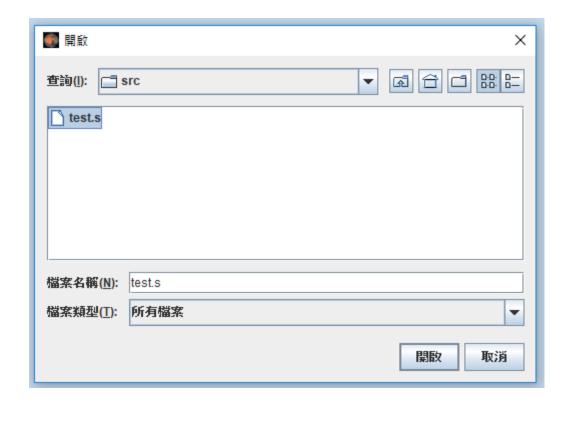
Mars使用教學

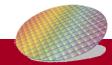


點下File -> Open,來打開.s檔



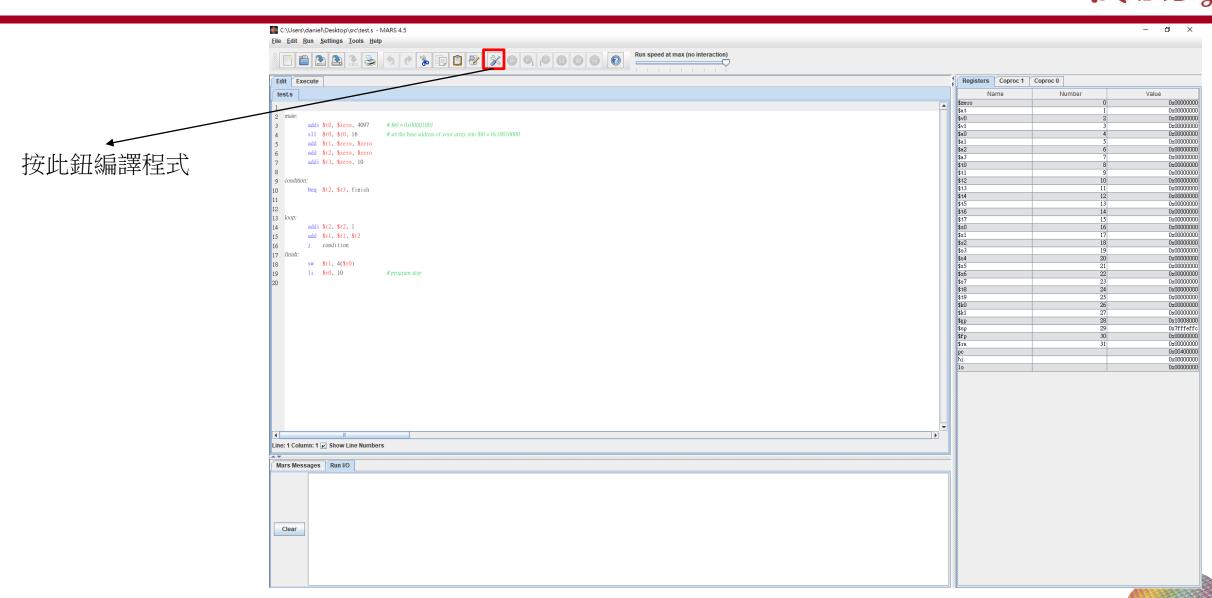






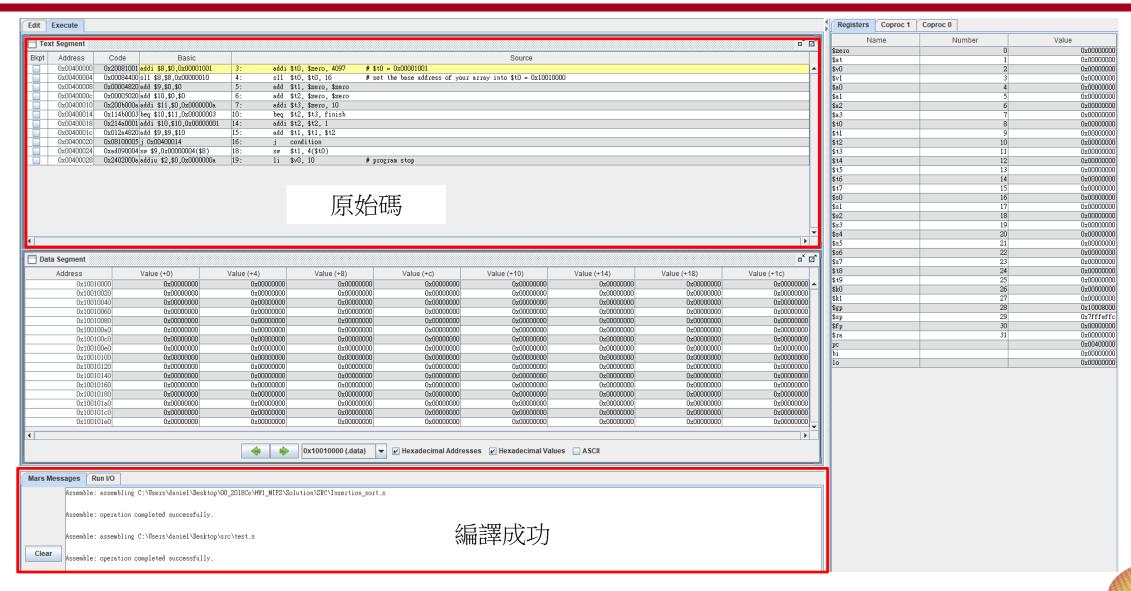


載入後程式畫面





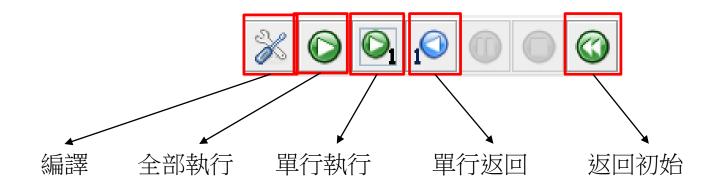


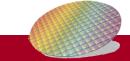


常用功能



按 來編譯組語,點選 文執行

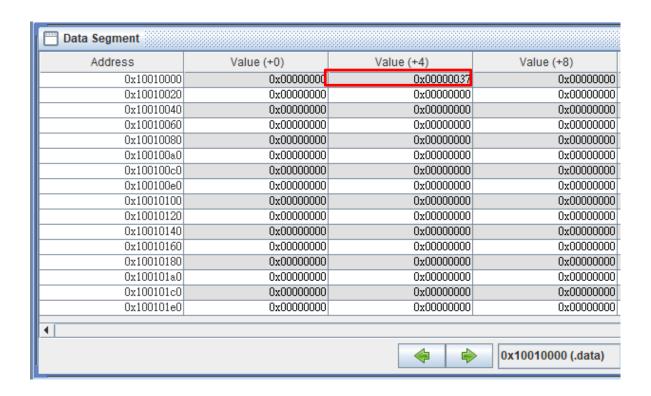




觀看執行結果



範例(test.s):從1累加到10,結果存在t1,將結果存入memory,address=0x10010004



Registers	Coproc 1	Coproc 0		
Name		Number		Value
\$zero		0		0x00000000
\$at		1		0x00000000
\$v0		2		0x0000000a
\$v1		3		0x00000000
\$a.O		4		0x00000000
\$a.1		5		0x00000000
\$a2		6		0x00000000
\$a.3		7		0x00000000
\$t0		8		0x10010000
\$t1		9		0x00000037
\$t2		10		0x0000000a
\$t3		11		0x0000000a
\$t4		12		0x00000000
\$t5		13		0x00000000
\$t6		14		0x00000000
\$t7		15		0x00000000
\$s0		16		0x00000000
\$s1		17		0x00000000
\$s2		18		0x00000000
\$s3		19		0x00000000
\$s4		20		0x00000000
\$s5		21		0x00000000
\$s6		22		0x00000000
\$s7		23		0x00000000
\$t8		24		0x00000000
\$t9		25		0x00000000
\$k0		26		0x00000000
\$k1		27		0x00000000
\$gp		28		0x10008000
\$sp		29		0x7fffeffc
\$fp		30		0x00000000
\$ra		31		0x00000000
рс				0x0040002c
hi				0x00000000
lo				0x00000000