Computer Architecture Lab

Lab10 – Week #10



JAVA Runtime Environment (1/4)

https://www.java.com/ko/







JAVA Runtime Environment (2/4)

€ Java

다운로드 Developer Resources 도움말

Q 검색

도움말 리소스

Java란 무엇입니까?

이전 버전 제거

Java 사용 안함

오류 메시지

Java 문제 해결

기타 도움말

Windows용 64비트 Java

Version 8 Update 371 (파일 크기: 62.62 MB) Java 8이 권장되는 이유?

릴리스 날짜: 2023년 4월 18일

Oracle Java 중요 라이센스 정보

Oracle Java 라이센스는 2019년 4월 16일 릴리스부터 변경되었습니다.

Oracle Java SE에 대한 Oracle Technology Network 라이센스 합의서는 이전 Oracle Java 라이센스와 는 상당히 다릅니다. 이 라이센스는 개인 용도 및 개발 용도와 같은 특정 목적의 무료 사용은 허용하지 만, 이전 Oracle Java 라이센스에서 권한이 부여된 기타 사용은 더 이상 허용되지 않습니다. 이 제품을 다운로드하여 사용하기 전에 약관을 자세히 검토하십시오. FAO는 여기서 확인할 수 있습니다.

상용 라이센스 및 지원은 저렴한 비용의 Java SE 구독을 통해 제공됩니다.



Java 설치가 완료되면 **브라우저를 재시작**해야 할 수 있습니다(모든 브라우저 창을 닫았다가 다시 열기).

» Windows용 64비트 Java에 대한 FAQ

» 시스템 요구사항

사용 중인 운영체제와 다릅니까? 데스크톱 사용자를 위한 모든 Java 8 다운로드를 확인하십시오.



JAVA Runtime Environment (3/4)





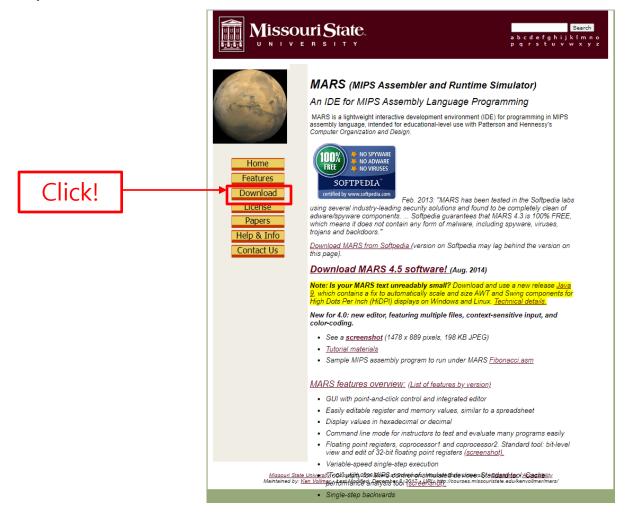
JAVA Runtime Environment (4/4)





Mars (1/12)

http://courses.missouristate.edu/kenvollmar/mars/

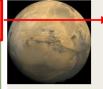




Mars (2/12)



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code)

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

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

Previous MARS version: MARS v4.4, Aug. 2013



Linux. Technical details.

Feb. 2013: "MARS has been tested in the Softpedia labs using several industry-leading security solutions and found to be completely clean of adware/spyware components.... Softpedia quarantees that MARS 4.3 is 100% FREE, which means it does not contain any form of malware, including spyware, viruses, trojans and backdoors."

Download MARS from Softpedia (version on Softpedia may lag behind the version on this page).

Option A: Desktop. Save the jar file on the desktop. Run MARS by double-clicking the icon.

Option B: DOS shell using jar file. Save the jar file in some folder. Open a DOS shell in that folder. Rename the jar file to "Mars.jar" for convenience. Run MARS with the DOS command java -jar Mars.jar

Option C: DOS shell using Java classes. Save the jar file in some folder. Open a DOS shell in that folder. Rename the jar file to "Mars jar" for convenience. Extract MARS files with the DOS command jar -xf Mars.jar Run MARS with the DOS command java Mars

As of V4.0, MARS requires Java J2SE 1.5 (or later) SDK installed on your computer. Download Java

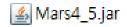
Sample MIPS assembly program to run under MARS Fibonacci.asm

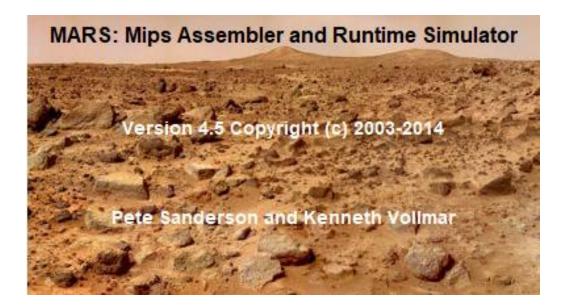
A "tool" is the MARS utility for MIPS control of simulated devices, including contention for resources. Sample tool is a Scavenger Hunt (screeenshot 23KB), in which each student writes a MIPS subroutine to direct the path of a character to travel to several locations. The companion Java "tool" program graphically displays the position of each character as the Scavenger Hunt game progresses. Interested instructors please contact Ken Vollmar for MIPS assembly solution or further information.

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Maintained by: <u>Ken Vollmar</u> • Last Modified: December 8, 2017 • URL: http://courses.missouristate.edu/kenvollmar/mars/download.htm



Mars (3/12)

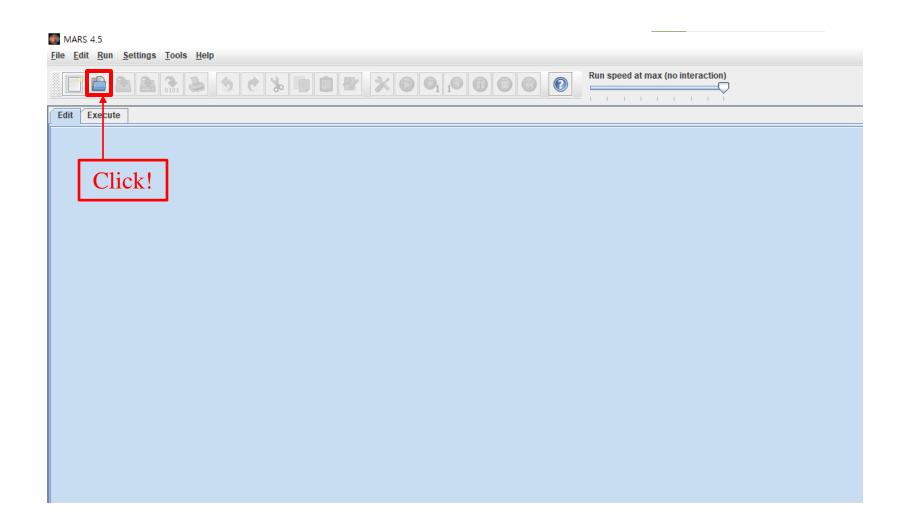








Mars (4/12)





Mars (5/12)

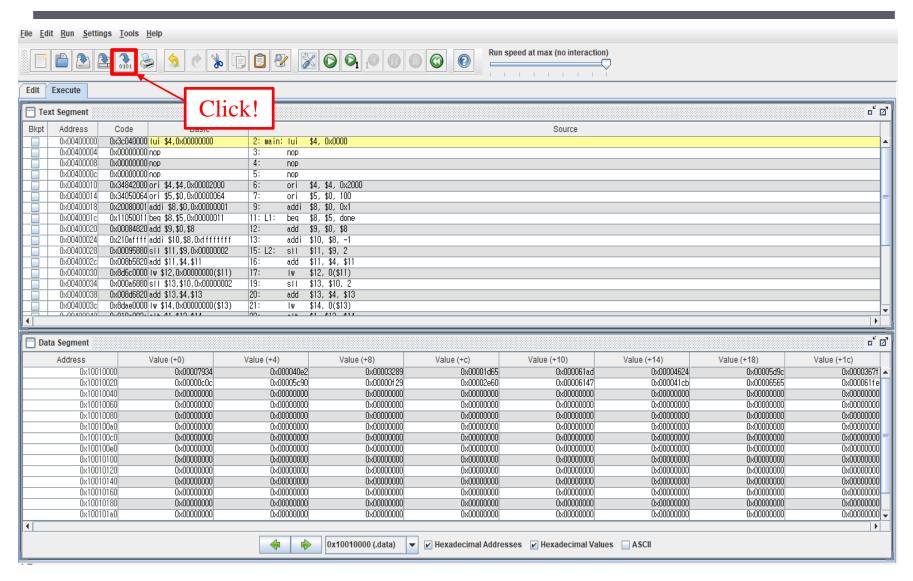


Mars (6/12)

```
File Edit Run Settings Tools Help
  Run speed at max (no interaction)
 Edit Execute
 insertion_sort.asm*
 2 main: lui $4, 0x0000
                                                      Click!
       nop
       ori $4, $4, 0x2000
       ori $5, $0, 100
       addi $8, $0, 0x1
9
11 L1: beq $8, $5, done
       add $9, $0, $8
       addi $10, $8, -1
14
      all $11, $9, 2
       add $11, $4, $11
       lw $12, 0($11)
18
       sII $13, $10, 2
       add $13, $4, $13
       lw $14, 0($13)
       slt $1, $12, $14
24
       beq $1, $0, L3
25
26
       sw $12, 0($13)
       sw $14, O($11)
28
29
       addi $9, $9, -1
30
       addi $10, $9, -1
       bgez $10, L2
31
Line: 3 Column: 10 V Show Line Numbers
```

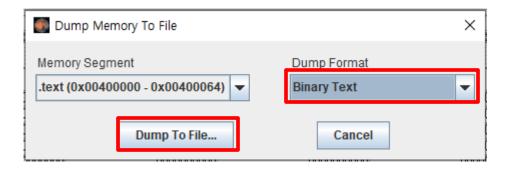


Mars (7/12)





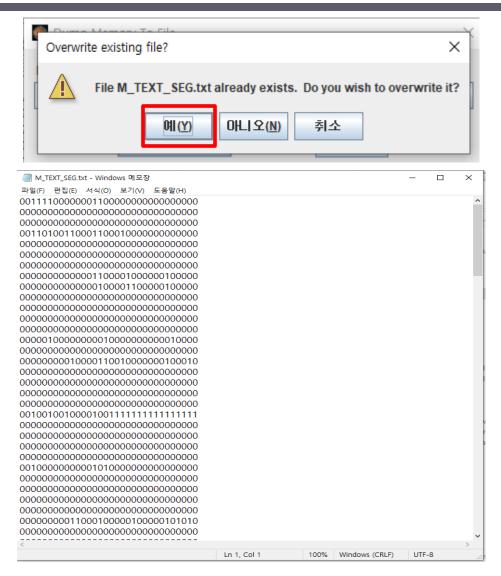
Mars (8/12)



Dump Memory To File		×
저장 위치: ☐ prj3_PCPU_2023 ▼		
insertion_sort.asm	mem_dump.txt	tb_cycle_limit.txt
insertion_sort.txt	mem_dump_IS.txt	tb_PC.o
insertion_sort_fwd.txt	reg_dump.txt	█ 프로젝트3 제안서
M_DATA_SEG.txt	reg_dump_IS.txt	
M_TEXT_FWD.txt	run - init.batx	
M_TEXT_SEG.txt	run.batx	
1)
파일이름(N): M_TEXT_SEG	.txt	
파일 유형(<u>T</u>): 모든 파일		_
		져장 취소

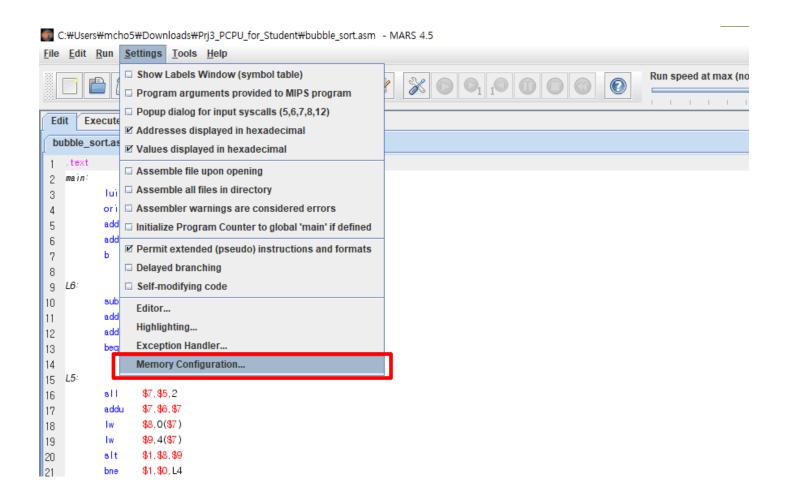


Mars (9/12)





Mars (10/12)



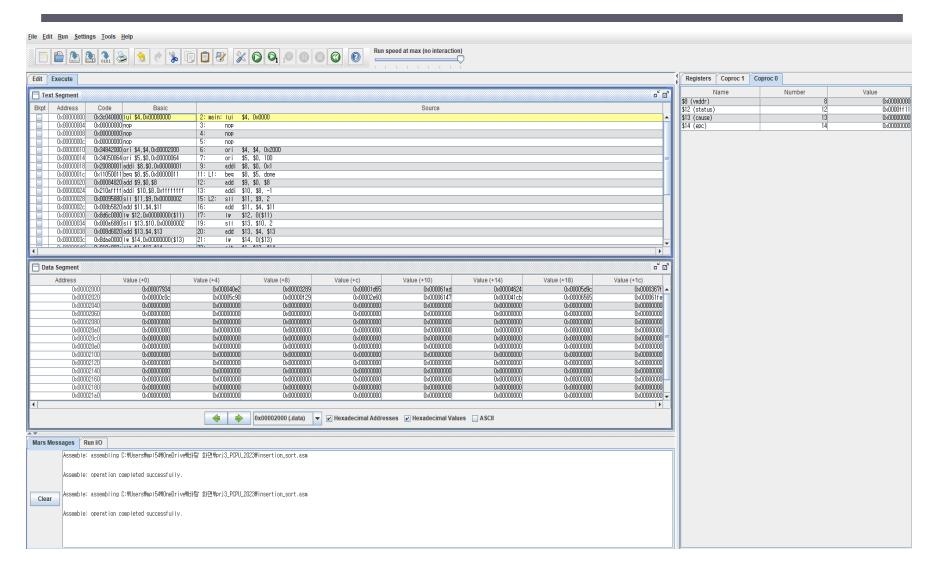


Mars (11/12)



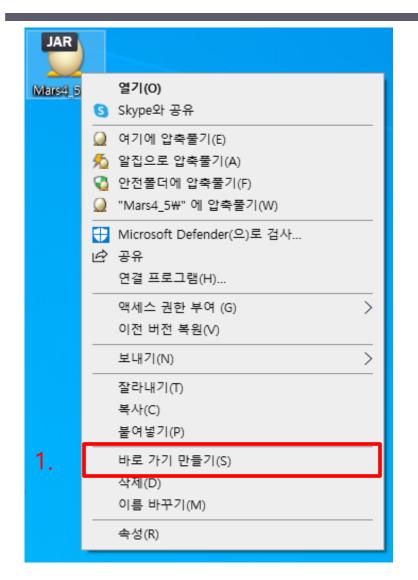


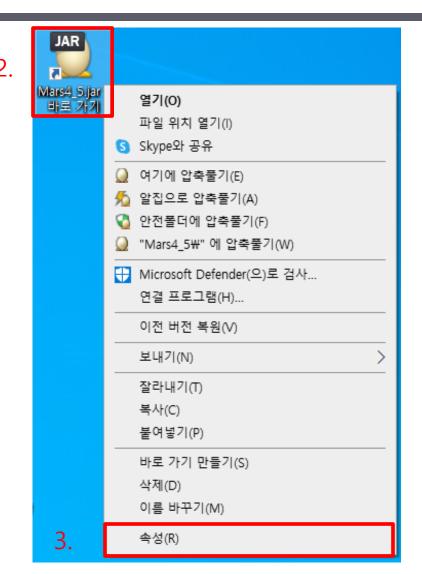
Mars (12/12)





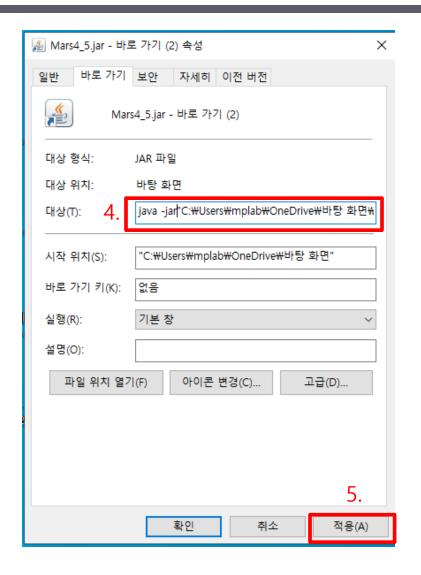
Mars 바로가기 만드는 법 (1/3)

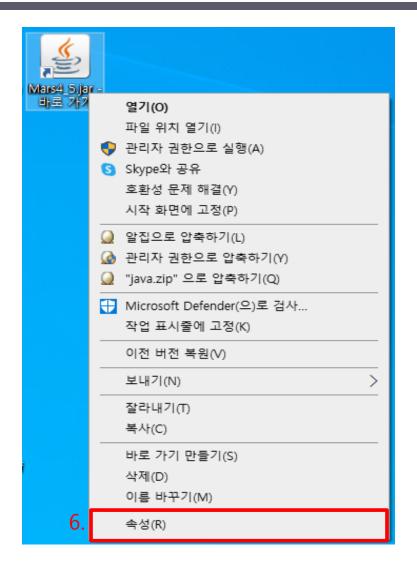






Mars 바로가기 만드는 법 (2/3)







Mars 바로가기 만드는 법 (3/3)

🔏 Mars4_5.jar - 바	로 가기 (2) 속성	<
일반 바로 가기	보안 자세히 이전 버전	
Mar	rs4_5.jar - 바로 가기 (2)	
대상 형식:	JAR 파일 7. Spacebar!	
대상 위치:	바탕 화면	
대상(T):	cle\Java\javapath\java.exe" -jar C:\Users\mpl	
시작 위치(S):	"C:₩Users₩mplab₩OneDrive₩바탕 화면"	
바로 가기 키(K):	없음	
실행(R):	기본 창 🔻	
설명(O):		
파일 위치 열기	기(F) 아이콘 변경(C) 고급(D)	
	8.	
	확인 취소 적용(A)]



Thank You