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SCHOOL OF COMPUTER SCIENCE

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Log book for user: a1779153 for assignment: [2020/s2/cs/assignment2](#)

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Datestamp	Entry
03 Oct 2020 23:59:59	03 Oct 2020 23:59:59
03 Oct 2020 13:11:54 Kind: Text, by: a1779153, from: 129_127_232_156	worked on return statement. It restores the value of all the segments based on the values stored in the frame (R13) then pops the return address and is stored to R14. Last there is an unconditional jump to the return address previously stored in R14.
03 Oct 2020 13:08:48 Web Submission, from: 129_127_232_156	Submitted Revision: 621 to Assignment 2 - Submit Here

03 Oct 2020 13:08:35 SVN Log Entry	r621 a1779153 2020-10-03 13:08:35 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on return command
03 Oct 2020 13:06:57	Working ...
*** 5 Hours	*** 5 Hours ***
03 Oct 2020 12:15:45 Kind: Text, by: a1779153, from: 129_127_232_156	worked on function call. I first saved the return address then the value of LCL, ARG, THIS, THAT on stack then I updated the value of ARG for the function (SP-nArgs-5). Also I updated the value of LCL as the current stack pointer then called the function with its label and created a return label.
03 Oct 2020 12:12:51 Web Submission, from: 129_127_232_156	Submitted Revision: 620 to Assignment 2 - Submit Here
03 Oct 2020 12:12:23 SVN Log Entry	r620 a1779153 2020-10-03 12:12:23 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on function call
03 Oct 2020 12:11:27	Working ...
*** 4 Hours	*** 4 Hours ***
03 Oct 2020 11:10:01	Working ...
03 Oct 2020 11:09:34 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop static command. I popped the value from stack and assigned to the static (global) variable at position offset.
03 Oct 2020 11:08:11 Web Submission, from: 129_127_232_156	Submitted Revision: 619 to Assignment 2 - Submit Here
03 Oct 2020 11:07:54 SVN Log Entry	r619 a1779153 2020-10-03 11:07:54 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop static command
03 Oct 2020 11:07:30	Working ...
03 Oct 2020 11:05:46 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop temp command. It is similar to pop pointer command but instead of adding 3 to the offset I added 5(location of temp).
03 Oct 2020 11:04:24 Web Submission, from: 129_127_232_156	Submitted Revision: 618 to Assignment 2 - Submit Here
03 Oct 2020 11:04:06 SVN Log Entry	r618 a1779153 2020-10-03 11:04:06 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop temp command
03 Oct 2020 11:03:46	Working ...
03 Oct 2020 11:02:49 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop pointer command. I added offset to 3 (address of pointer) and stored at R13. Then I popped the value from the stack and assigned to the location present at R13 register.
03 Oct 2020 11:00:54 Web Submission, from: 129_127_232_156	Submitted Revision: 617 to Assignment 2 - Submit Here

03 Oct 2020 11:00:28 SVN Log Entry	r617 a1779153 2020-10-03 11:00:28 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop pointer command
03 Oct 2020 10:59:52	Working ...
03 Oct 2020 10:53:58 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop that command. I is similar to pop local command but I used the THAT segment instead of LCL.
03 Oct 2020 10:53:32 Web Submission, from: 129_127_232_156	Submitted Revision: 616 to Assignment 2 - Submit Here
03 Oct 2020 10:53:17 SVN Log Entry	r616 a1779153 2020-10-03 10:53:17 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop that command
03 Oct 2020 10:52:50	Working ...
03 Oct 2020 10:52:23 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop this command. I is similar to pop local command but I used the THIS segment instead of LCL.
03 Oct 2020 10:51:45 Web Submission, from: 129_127_232_156	Submitted Revision: 615 to Assignment 2 - Submit Here
03 Oct 2020 10:51:25 SVN Log Entry	r615 a1779153 2020-10-03 10:51:25 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop this command
03 Oct 2020 10:50:51	Working ...
03 Oct 2020 10:50:09 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop argument command. I is similar to pop local command but I used the ARG segment instead of LCL.
03 Oct 2020 10:48:50 Web Submission, from: 129_127_232_156	Submitted Revision: 614 to Assignment 2 - Submit Here
03 Oct 2020 10:48:35 SVN Log Entry	r614 a1779153 2020-10-03 10:48:35 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop argument command
03 Oct 2020 10:47:46	Working ...
03 Oct 2020 10:47:07 Kind: Text, by: a1779153, from: 129_127_232_156	worked on pop local command. I first stored the memory location (LCL + offset) at R13 (temp register). Then I popped the value from the stack and assigned to the location present at R13 register.
03 Oct 2020 10:44:58 Web Submission, from: 129_127_232_156	Submitted Revision: 613 to Assignment 2 - Submit Here
03 Oct 2020 10:44:45 SVN Log Entry	r613 a1779153 2020-10-03 10:44:45 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on pop local command
03 Oct 2020 10:44:17	Working ...

03 Oct 2020 10:37:33 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push that command. It is same as push local command but we fetch address stored at THAT instead of LCL.
03 Oct 2020 10:36:49 Web Submission, from: 129_127_232_156	Submitted Revision: 612 to Assignment 2 - Submit Here
03 Oct 2020 10:36:34 SVN Log Entry	r612 a1779153 2020-10-03 10:36:34 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push that command
03 Oct 2020 10:36:14	Working ...
03 Oct 2020 10:34:49 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push this command. It is same as push local command but we fetch address stored at THIS instead of LCL.
03 Oct 2020 10:33:32 Web Submission, from: 129_127_232_156	Submitted Revision: 611 to Assignment 2 - Submit Here
03 Oct 2020 10:33:19 SVN Log Entry	r611 a1779153 2020-10-03 10:33:19 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push this command
03 Oct 2020 10:32:52	Working ...
03 Oct 2020 10:31:50 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push temp command. I moved offset addresses from the R5 and fetched the value present at that location and pushed it to the end of stack.
*** 3 Hours	*** 3 Hours ***
03 Oct 2020 10:30:59 Web Submission, from: 129_127_232_156	Submitted Revision: 610 to Assignment 2 - Submit Here
03 Oct 2020 10:30:45 SVN Log Entry	r610 a1779153 2020-10-03 10:30:45 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push temp command
03 Oct 2020 10:30:15	Working ...
03 Oct 2020 10:29:05 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push pointer command. I moved offset addresses from the R3 and fetched the value present at that location and pushed it to the end of stack.
03 Oct 2020 10:27:39 Web Submission, from: 129_127_232_156	Submitted Revision: 609 to Assignment 2 - Submit Here
03 Oct 2020 10:27:21 SVN Log Entry	r609 a1779153 2020-10-03 10:27:21 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push pointer command
03 Oct 2020 10:26:33	Working ...
03 Oct 2020 10:17:10 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push argument command. It is same as push local command but we fetch address stored at ARG instead of LCL.
03 Oct 2020 10:11:28 Web Submission, from: 129_127_232_156	Submitted Revision: 608 to Assignment 2 - Submit Here

03 Oct 2020 10:11:16 SVN Log Entry	r608 a1779153 2020-10-03 10:11:16 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push argument command
03 Oct 2020 10:10:12	Working ...
03 Oct 2020 10:09:27 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push local command. In this I added offset value to the address stored at LCL and fetched the value at that location. After that I pushed it to the end of stack and increased the value of SP.
03 Oct 2020 10:07:58 Web Submission, from: 129_127_232_156	Submitted Revision: 607 to Assignment 2 - Submit Here
03 Oct 2020 10:07:20 SVN Log Entry	r607 a1779153 2020-10-03 10:07:20 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push local command
03 Oct 2020 10:06:36	Working ...
03 Oct 2020 09:44:32 Kind: Text, by: a1779153, from: 129_127_232_156	worked on jump commands. Used functionName\$label convention to name the labels.
03 Oct 2020 09:42:19 Web Submission, from: 129_127_232_156	Submitted Revision: 606 to Assignment 2 - Submit Here
03 Oct 2020 09:42:03 SVN Log Entry	r606 a1779153 2020-10-03 09:42:03 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on jump commands
03 Oct 2020 09:41:26	Working ...
*** 2 Hours	*** 2 Hours ***
03 Oct 2020 09:30:45	Working ...
03 Oct 2020 09:15:29 Kind: Text, by: a1779153, from: 129_127_232_156	worked on gt, lt command still need to figure out the case where sign of both values are opposite
03 Oct 2020 09:14:42 Web Submission, from: 129_127_232_156	Submitted Revision: 605 to Assignment 2 - Submit Here
03 Oct 2020 09:14:25 SVN Log Entry	r605 a1779153 2020-10-03 09:14:25 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on gt, lt command
03 Oct 2020 09:13:14	Working ...
*** 1 Hour	*** 1 Hour ***
03 Oct 2020 08:30:05	Working ...
03 Oct 2020 08:27:19 Kind: Text, by: a1779153, from: 129_127_232_156	solved a bug in eq command which formed a duplicate label.
03 Oct 2020 08:26:33 Web Submission, from: 129_127_232_156	Submitted Revision: 604 to Assignment 2 - Submit Here

03 Oct 2020 08:26:17 SVN Log Entry	r604 a1779153 2020-10-03 08:26:17 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log modified eq command to solve duplicate error issue
03 Oct 2020 08:25:55 Kind: Text, by: a1779153, from: 129_127_232_156	worked on eq command. I followed a naming convention where each eq call will be given a label (functionName\$EQcallnumber) and similar for end label. The function compares 2 values and performs a jump if they are same
03 Oct 2020 08:23:41	Working ...
03 Oct 2020 08:19:50 Web Submission, from: 129_127_232_156	Submitted Revision: 603 to Assignment 2 - Submit Here
03 Oct 2020 08:19:31 SVN Log Entry	r603 a1779153 2020-10-03 08:19:31 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on eq command
03 Oct 2020 08:19:02	Working ...
03 Oct 2020 07:59:39 Kind: Text, by: a1779153, from: 129_127_232_156	worked on neg command. It is similar to not command but instead of not operation we perform neg '-' operation.
03 Oct 2020 07:58:45 Web Submission, from: 129_127_232_156	Submitted Revision: 602 to Assignment 2 - Submit Here
03 Oct 2020 07:58:27 SVN Log Entry	r602 a1779153 2020-10-03 07:58:27 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on neg command
03 Oct 2020 07:57:44	Working ...
03 Oct 2020 07:56:55 Kind: Text, by: a1779153, from: 129_127_232_156	worked on not command. It performs not operation on the last member of the stack. There is no change in stack pointer.
03 Oct 2020 07:55:54 Web Submission, from: 129_127_232_156	Submitted Revision: 601 to Assignment 2 - Submit Here
03 Oct 2020 07:55:05 SVN Log Entry	r601 a1779153 2020-10-03 07:55:05 +0930 (Sat, 03 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on not command
03 Oct 2020 07:54:46	Working ...
Skipped 1 day ...	Skipped 1 day ...
01 Oct 2020 23:59:59	01 Oct 2020 23:59:59
01 Oct 2020 17:47:32 Kind: Text, by: a1779153, from: 129_127_232_156	Worked on and command. It is same as add but M=D&M to perform and operation.
01 Oct 2020 17:46:53 Web Submission, from: 129_127_232_156	Submitted Revision: 600 to Assignment 2 - Submit Here
01 Oct 2020 17:46:39 SVN Log Entry	r600 a1779153 2020-10-01 17:46:39 +0930 (Thu, 01 Oct 2020) 1 line

	<p>Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log</p> <p>worked on and command</p>
01 Oct 2020 17:46:13	Working ...
01 Oct 2020 17:45:03 Kind: Text, by: a1779153, from: 129_127_232_156	Worked on or command. It is same as add but M=D M to perform or operation.
01 Oct 2020 17:44:11 Web Submission, from: 129_127_232_156	Submitted Revision: 599 to Assignment 2 - Submit Here
01 Oct 2020 17:43:55 SVN Log Entry	<p>r599 a1779153 2020-10-01 17:43:55 +0930 (Thu, 01 Oct 2020) 1 line</p> <p>Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log</p> <p>worked on or command</p>
01 Oct 2020 17:43:28	Working ...
01 Oct 2020 17:36:11 Kind: Text, by: a1779153, from: 129_127_232_156	Worked on sub command. It is same as add but M=M-D to perform subtraction.
01 Oct 2020 17:35:08 Web Submission, from: 129_127_232_156	Submitted Revision: 598 to Assignment 2 - Submit Here
01 Oct 2020 17:34:54 SVN Log Entry	<p>r598 a1779153 2020-10-01 17:34:54 +0930 (Thu, 01 Oct 2020) 1 line</p> <p>Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log</p> <p>worked on sub command</p>
01 Oct 2020 17:34:30	Working ...
01 Oct 2020 17:31:37 Kind: Text, by: a1779153, from: 129_127_232_156	worked on add command. It takes past 2 values of the stack and performs addition and stores it in the 2nd value of the stack. Therefore the SP is decreased by 1.
01 Oct 2020 17:30:01 Web Submission, from: 129_127_232_156	Submitted Revision: 597 to Assignment 2 - Submit Here
01 Oct 2020 17:29:37 SVN Log Entry	<p>r597 a1779153 2020-10-01 17:29:37 +0930 (Thu, 01 Oct 2020) 1 line</p> <p>Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log</p> <p>worked on add command</p>
01 Oct 2020 17:28:54	Working ...
Missing Logbook Entry	Missing Logbook Entry
Missing SVN Commit	Missing SVN Commit
01 Oct 2020 16:18:28	Working ...
01 Oct 2020 16:14:29 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push static offset command. I modified the code parse_func() to fetch the classname then I modified translate_vm_stack() function which adds classname before the offset to fetch the location of static (global) variable as per given convention. Then I stored that memory location to the D-register and then performed the push operation as before.
01 Oct 2020 16:03:48 Web Submission, from: 129_127_232_156	Submitted Revision: 596 to Assignment 2 - Submit Here

01 Oct 2020 16:03:21 SVN Log Entry	r596 a1779153 2020-10-01 16:03:21 +0930 (Thu, 01 Oct 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push static offset
01 Oct 2020 16:02:50	Working ...
*** 1 Hour	*** 1 Hour ***
01 Oct 2020 16:00:21	Working ...
30 Sep 2020 23:59:59	30 Sep 2020 23:59:59
30 Sep 2020 18:47:25 Kind: Text, by: a1779153, from: 129_127_232_156	worked on push constant offset command. I stored the value of accumulator in the D register and then moved A register to SP position assigned value of D reg into the memory @SP and incremented SP by 1
30 Sep 2020 18:42:52 Web Submission, from: 129_127_232_156	Submitted Revision: 595 to Assignment 2 - Submit Here
30 Sep 2020 18:42:36 SVN Log Entry	r595 a1779153 2020-09-30 18:42:36 +0930 (Wed, 30 Sep 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on push constant offset command
30 Sep 2020 18:41:18	Working ...
*** 2 Hours	*** 2 Hours ***
30 Sep 2020 18:40:41	Working ...
30 Sep 2020 18:34:41 Kind: Text, by: a1779153, from: 129_127_232_156	Worked on function call. I used output_assembler() to output the assembly code. The function definition creates a label with the function name and adds n (number of arguments) 0s to the stack.
30 Sep 2020 18:28:59 Web Submission, from: 129_127_232_156	Submitted Revision: 594 to Assignment 2 - Submit Here
30 Sep 2020 18:28:41 SVN Log Entry	r594 a1779153 2020-09-30 18:28:41 +0930 (Wed, 30 Sep 2020) 1 line Changed paths: M /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/log worked on function definition
Missing SVN Commit	Missing SVN Commit
30 Sep 2020 18:19:34	Working ...
*** 1 Hour	*** 1 Hour ***
30 Sep 2020 17:04:21	Working ...
30 Sep 2020 17:02:47 Kind: Text, by: a1779153, from: 129_127_232_156	added startup files to the svn and submitted initial revision of code
30 Sep 2020 17:01:48 Web Submission, from: 129_127_232_156	Submitted Revision: 593 to Assignment 2 - Submit Here
30 Sep 2020 17:01:32 SVN Log Entry	r593 a1779153 2020-09-30 17:01:32 +0930 (Wed, 30 Sep 2020) 1 line Changed paths: A /2020/s2/cs/assignment2/tests A /2020/s2/cs/assignment2/translator.cpp M /2020/s2/cs/assignment2/updates/installer.bash

	M /2020/s2/cs/assignment2/updates/log Assignment 2 Startup Files
30 Sep 2020 17:00:42	Working ...
30 Sep 2020 17:00:00 SVN Log Entry	r592 a1779153 2020-09-30 17:00:00 +0930 (Wed, 30 Sep 2020) 1 line Changed paths: A /2020/s2/cs/assignment2/updates/assignment2-20200923-135641.zip adding assignment2 .zip file
30 Sep 2020 16:56:04 Kind: Text, by: a1779153, from: 129_127_232_156	Initialised logbook.
Skipped 53 days ...	Skipped 53 days ...
07 Aug 2020 23:59:59	07 Aug 2020 23:59:59
07 Aug 2020 00:04:44 SVN Log Entry	r504 a1779153 2020-08-07 00:04:44 +0930 (Fri, 07 Aug 2020) 1 line Changed paths: A /2020/s2/cs/assignment2 A /2020/s2/cs/assignment2/Makefile A /2020/s2/cs/assignment2/updates A /2020/s2/cs/assignment2/updates/installer.bash A /2020/s2/cs/assignment2/updates/log A /2020/s2/cs/assignment2/updates/updater.bash cs-directory-structure
Estimated Total Time 10 hours	Estimated Total Time 10 hours

Authorised by: Head of School, School of Computer Science

Maintained by: School of Computer Science

Last Updated: 8 Feb 2020

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