SCHOOL OF COMPUTER SCIENCE

THE UNIVERSITY *of* **ADELAIDE**

home / computer science / services / websubmission

[User:a1779153 - Student - Vandit Jyotindra Gajjar][Tue 06 Oct 2020 05:55:21pm Australia/Adelaide]

| Navigation | Make Submission | View Feedback | Status | Help |

Selected Assignment -> 2020/Semester 2/Computer Systems/Assignment 2 - Submit Here

Assignment Repository to be Submitted:

https://version-control.adelaide.edu.au/svn/a1779153/2020/s2/cs/assignment2

Choose a submission from the "Submission" column to view the test script output and any associated marks. The selected "Submission" item is highlighted in **red**. If available, "Helpful Hints" or "Feedback" can be chosen too. All the items in the "Submission" column are listed with the most recent first. If the assignment deadline is known to the Web Submission system, this will be indicated in the Submissions column too.

Submission	Feedback
-----Due Date----- **Oct 03 13:08 r621(0)** Oct 03 12:12 r620(0) Oct 03 11:08 r619(0) Oct 03 11:04 r618(0) Oct 03 11:00 r617(0) Oct 03 10:53 r616(0) Oct 03 10:51 r615(0) Oct 03 10:48 r614(0) Oct 03 10:44 r613(0) Oct 03 10:36 r612(0) Oct 03 10:33 r611(0) Oct 03 10:30 r610(0) Oct 03 10:27 r609(0) Oct 03 10:11 r608(0) Oct 03 10:07 r607(0) Oct 03 09:42 r606(0) Oct 03 09:14 r605(0) Oct 03 08:26 r604(0) Oct 03 08:19 r603(0) Oct 03 07:58 r602(0) Oct 03 07:55 r601(0) Oct 01 17:46 r600(0) Oct 01 17:44 r599(0) Oct 01 17:35 r598(0)	**Due Date:** Oct 09 23:59 **Provisional Assignment Mark: 0** **Student Logbook:** View / Edit Logbook View Feedback in the Practical Marker **Assignment Repository Submitted:** https://version-control.adelaide.edu.au/svn/a1779153/2020/s2/cs/assignment2/?p=621 **Submitted:** Oct 03 13:08.48 **Status: Finished execution** **Marks at:** Oct 03 13:08.48

Part	Marks	Maximum
Final Tests	94	
Milestone Tests	100	
Total Marks	194	0
Capped Mark	0	0

Oct 01 17:30 r597(0)
Oct 01 16:03 r596(0)
Sep 30 18:42 r595(0)
Sep 30 18:28 r594(0)
Sep 30 17:01 r593(0)

Output at: Oct 03 13:08.48

```
SVN Exported revision 621.

Latest startup files found: Wed Sep 23 13:56:00 ACST 2020
Marker script generated on: Wed Sep 23 13:56:00 ACST 2020

make notest -  no errors reported!


Testing executable: translator

***** input: 00_xcall.vm      - correct
|------------------------------------------------------|
|    VM Commands    | Marks | Max Mark | Tests | Passed |
|------------------------------------------------------|
| call              |    43 |       43 |     1 |      1 |
| function f 0      |     1 |        1 |     1 |      1 |
|------------------------------------------------------|
|      Totals       |    44 |       44 |     2 |      2 |
|------------------------------------------------------|
Passed 2 of 2 Tests

***** input: 01_example.vm    - correct
|------------------------------------------------------|
|    VM Commands    | Marks | Max Mark | Tests | Passed |
|------------------------------------------------------|
| add               |     5 |        5 |     1 |      1 |
| return            |    50 |       50 |     1 |      1 |
| function f 2      |     9 |        9 |     1 |      1 |
| push constant 2+  |     6 |        6 |     1 |      1 |
| push static 2+    |     6 |        6 |     1 |      1 |
|------------------------------------------------------|
|      Totals       |    76 |       76 |     5 |      5 |
|------------------------------------------------------|
Passed 7 of 7 Tests

***** input: 02_pc43.vm       - correct
|------------------------------------------------------|
|    VM Commands    | Marks | Max Mark | Tests | Passed |
|------------------------------------------------------|
| function f 0      |     1 |        1 |     1 |      1 |
| push constant 2+  |     6 |        6 |     1 |      1 |
|------------------------------------------------------|
|      Totals       |     7 |        7 |     2 |      2 |
|------------------------------------------------------|
Passed 9 of 9 Tests

***** input: 03_Seven.vm      - correct
|------------------------------------------------------|
|    VM Commands    | Marks | Max Mark | Tests | Passed |
|------------------------------------------------------|
| add               |     5 |        5 |     1 |      1 |
```

```
| return         |     50 |         50 |     1 |      1 |
| call           |     86 |         86 |     2 |      2 |
| function f 0   |      1 |          1 |     1 |      1 |
| pop temp 0     |      5 |          5 |     1 |      1 |
| push constant 0 |     4 |          4 |     1 |      1 |
| push constant 1 |     4 |          4 |     1 |      1 |
| push constant 2+ |   12 |         12 |     2 |      2 |
|-------------------------------------------------------|
|      Totals    |    167 |        167 |    10 |     10 |
|-------------------------------------------------------|
Passed 19 of 19 Tests

***** input: 04_Square.vm     - correct
|-------------------------------------------------------|
|    VM Commands  | Marks | Max Mark | Tests | Passed |
|-------------------------------------------------------|
| return          |     50 |        50 |     1 |      1 |
| call            |    129 |       129 |     3 |      3 |
| function f 1    |      5 |         5 |     1 |      1 |
| pop local 0     |     10 |        10 |     1 |      1 |
| pop temp 0      |     10 |        10 |     2 |      2 |
| push constant 0 |      4 |         4 |     1 |      1 |
| push local 0    |     14 |        14 |     2 |      2 |
|-------------------------------------------------------|
|      Totals     |    222 |       222 |    11 |     11 |
|-------------------------------------------------------|
Passed 30 of 30 Tests

***** input: 05_recfib.vm     - failures?
|-------------------------------------------------------|
|    VM Commands  | Marks | Max Mark | Tests | Passed |
|-------------------------------------------------------|
| add             |      5 |         5 |     1 |      1 |
| lt              |      0 |        36 |     1 |      0 |
| sub             |     10 |        10 |     2 |      2 |
| return          |    150 |       150 |     3 |      3 |
| goto            |      2 |         2 |     1 |      1 |
| if-goto         |      5 |         5 |     1 |      1 |
| label           |      2 |         2 |     2 |      2 |
| call            |    129 |       129 |     3 |      3 |
| function f 0    |      1 |         1 |     1 |      1 |
| function f 1    |      5 |         5 |     1 |      1 |
| pop local 0     |     10 |        10 |     1 |      1 |
| push argument 0 |     21 |        21 |     3 |      3 |
| push constant 0 |      4 |         4 |     1 |      1 |
| push constant 1 |      8 |         8 |     2 |      2 |
| push constant 2+ |    18 |        18 |     3 |      3 |
|-------------------------------------------------------|
|      Totals     |    370 |       406 |    26 |     25 |
|-------------------------------------------------------|
Passed 55 of 56 Tests

***** input: 06_Pong.vm       - correct
|-------------------------------------------------------|
```

```
|   VM Commands   | Marks | Max Mark | Tests | Passed |
|------------------------------------------------------|
| return          |    50 |       50 |     1 |      1 |
| call            |   172 |      172 |     4 |      4 |
| function f 1    |     5 |        5 |     1 |      1 |
| pop local 0     |    10 |       10 |     1 |      1 |
| pop temp 0      |    15 |       15 |     3 |      3 |
| push constant 0 |     4 |        4 |     1 |      1 |
| push local 0    |    14 |       14 |     2 |      2 |
|------------------------------------------------------|
|     Totals      |   270 |      270 |    13 |     13 |
|------------------------------------------------------|
Passed 68 of 69 Tests

***** input: 07_Cover.vm     - failures?
|------------------------------------------------------|
|   VM Commands   | Marks | Max Mark | Tests | Passed |
|------------------------------------------------------|
| add             |    25 |       25 |     5 |      5 |
| and             |    25 |       25 |     5 |      5 |
| eq              |   144 |      144 |     9 |      9 |
| gt              |     0 |      324 |     9 |      0 |
| lt              |     0 |      252 |     7 |      0 |
| neg             |    39 |       39 |    13 |     13 |
| not             |    39 |       39 |    13 |     13 |
| or              |    45 |       45 |     9 |      9 |
| sub             |   150 |      150 |    30 |     30 |
| return          |  1500 |     1500 |    30 |     30 |
| if-goto         |    55 |       55 |    11 |     11 |
| label           |     8 |        8 |     8 |      8 |
| call            |   516 |      516 |    12 |     12 |
| function f 0    |     1 |        1 |     1 |      1 |
| function f 1    |     5 |        5 |     1 |      1 |
| function f 2    |     9 |        9 |     1 |      1 |
| function f 3    |    13 |       13 |     1 |      1 |
| function f 4    |    17 |       17 |     1 |      1 |
| function f 5    |    42 |       42 |     2 |      2 |
| function f 6    |    25 |       25 |     1 |      1 |
| function f 7    |    29 |       29 |     1 |      1 |
| function f 8    |    33 |       33 |     1 |      1 |
| function f 9    |    37 |       37 |     1 |      1 |
| function f 10   |    41 |       41 |     1 |      1 |
| function f 35   |   141 |      141 |     1 |      1 |
| pop argument 0  |    60 |       60 |     6 |      6 |
| pop argument 1  |    60 |       60 |     6 |      6 |
| pop argument 2+ |   360 |      360 |    30 |     30 |
| pop local 0     |    60 |       60 |     6 |      6 |
| pop local 1     |    60 |       60 |     6 |      6 |
| pop local 2+    |   360 |      360 |    30 |     30 |
| pop pointer 0   |    30 |       30 |     6 |      6 |
| pop pointer 1   |    30 |       30 |     6 |      6 |
| pop static 0    |    30 |       30 |     6 |      6 |
| pop static 1    |    30 |       30 |     6 |      6 |
| pop static 2+   |   150 |      150 |    30 |     30 |
```

```
| pop temp 0      |     30 |       30 |    6 |      6 |
| pop temp 1      |     30 |       30 |    6 |      6 |
| pop temp 2+     |    180 |      180 |   36 |     36 |
| pop that 0      |     60 |       60 |    6 |      6 |
| pop that 1      |     60 |       60 |    6 |      6 |
| pop that 2+     |    360 |      360 |   30 |     30 |
| pop this 0      |     60 |       60 |    6 |      6 |
| pop this 1      |     60 |       60 |    6 |      6 |
| pop this 2+     |    360 |      360 |   30 |     30 |
| push argument 0 |     42 |       42 |    6 |      6 |
| push argument 1 |     42 |       42 |    6 |      6 |
| push argument 2+|    270 |      270 |   30 |     30 |
| push constant 0 |     24 |       24 |    6 |      6 |
| push constant 1 |     24 |       24 |    6 |      6 |
| push constant 2+|    180 |      180 |   30 |     30 |
| push local 0    |     42 |       42 |    6 |      6 |
| push local 1    |     42 |       42 |    6 |      6 |
| push local 2+   |    270 |      270 |   30 |     30 |
| push pointer 0  |     36 |       36 |    6 |      6 |
| push pointer 1  |     36 |       36 |    6 |      6 |
| push static 0   |     36 |       36 |    6 |      6 |
| push static 1   |     36 |       36 |    6 |      6 |
| push static 2+  |    180 |      180 |   30 |     30 |
| push temp 0     |     36 |       36 |    6 |      6 |
| push temp 1     |     36 |       36 |    6 |      6 |
| push temp 2+    |    216 |      216 |   36 |     36 |
| push that 0     |     42 |       42 |    6 |      6 |
| push that 1     |     42 |       42 |    6 |      6 |
| push that 2+    |    270 |      270 |   30 |     30 |
| push this 0     |     42 |       42 |    6 |      6 |
| push this 1     |     42 |       42 |    6 |      6 |
| push this 2+    |    270 |      270 |   30 |     30 |
|-------------------------------------------------------|
|     Totals      |   7625 |     8201 |  756 |    740 |
|-------------------------------------------------------|
Passed 808 of 825 Tests

***** input: 08_CvrtBin.vm   - failures?
|-------------------------------------------------------|
|   VM Commands   | Marks | Max Mark | Tests | Passed |
|-------------------------------------------------------|
| add             |     25 |       25 |    5 |      5 |
| and             |      5 |        5 |    1 |      1 |
| eq              |     32 |       32 |    2 |      2 |
| gt              |      0 |       72 |    2 |      0 |
| neg             |      3 |        3 |    1 |      1 |
| not             |     15 |       15 |    5 |      5 |
| sub             |      5 |        5 |    1 |      1 |
| return          |    250 |      250 |    5 |      5 |
| goto            |     16 |       16 |    8 |      8 |
| if-goto         |     25 |       25 |    5 |      5 |
| label           |     13 |       13 |   13 |     13 |
| call            |    387 |      387 |    9 |      9 |
| function f 0    |      2 |        2 |    2 |      2 |
```

```
| function f 2     |      9 |       9 |    1 |       1 |
| function f 3     |     13 |      13 |    1 |       1 |
| pop argument 0   |     10 |      10 |    1 |       1 |
| pop argument 1   |     10 |      10 |    1 |       1 |
| pop local 0      |     10 |      10 |    1 |       1 |
| pop local 1      |     20 |      20 |    2 |       2 |
| pop local 2+     |     24 |      24 |    2 |       2 |
| pop temp 0       |     30 |      30 |    6 |       6 |
| push argument 0  |     35 |      35 |    5 |       5 |
| push argument 1  |     14 |      14 |    2 |       2 |
| push argument 2+ |      9 |       9 |    1 |       1 |
| push constant 0  |     36 |      36 |    9 |       9 |
| push constant 1  |     24 |      24 |    6 |       6 |
| push constant 2+ |     48 |      48 |    8 |       8 |
| push local 0     |     21 |      21 |    3 |       3 |
| push local 1     |     42 |      42 |    6 |       6 |
| push local 2+    |      9 |       9 |    1 |       1 |
|-------------------------------------------------------|
|     Totals       |   1142 |    1214 |  115 |     113 |
|-------------------------------------------------------|
Passed 921 of 940 Tests


***** input: 09_SqGame.vm    - correct
|-------------------------------------------------------|
|    VM Commands   | Marks | Max Mark | Tests | Passed |
|-------------------------------------------------------|
| eq               |    208 |     208 |   13 |      13 |
| not              |     18 |      18 |    6 |       6 |
| return           |    200 |     200 |    4 |       4 |
| goto             |     28 |      28 |   14 |      14 |
| if-goto          |     70 |      70 |   14 |      14 |
| label            |     28 |      28 |   28 |      28 |
| call             |    645 |     645 |   15 |      15 |
| function f 0     |      3 |       3 |    3 |       3 |
| function f 2     |      9 |       9 |    1 |       1 |
| pop local 0      |     20 |      20 |    2 |       2 |
| pop local 1      |     20 |      20 |    2 |       2 |
| pop pointer 0    |     20 |      20 |    4 |       4 |
| pop temp 0       |     55 |      55 |   11 |      11 |
| pop this 0       |     10 |      10 |    1 |       1 |
| pop this 1       |     50 |      50 |    5 |       5 |
| push argument 0  |     21 |      21 |    3 |       3 |
| push constant 0  |     40 |      40 |   10 |      10 |
| push constant 1  |      8 |       8 |    2 |       2 |
| push constant 2+ |     96 |      96 |   16 |      16 |
| push local 0     |     63 |      63 |    9 |       9 |
| push local 1     |      7 |       7 |    1 |       1 |
| push pointer 0   |     24 |      24 |    4 |       4 |
| push this 0      |     49 |      49 |    7 |       7 |
| push this 1      |     28 |      28 |    4 |       4 |
|-------------------------------------------------------|
|     Totals       |   1720 |    1720 |  179 |     179 |
|-------------------------------------------------------|
Passed 1100 of 1119 Tests
```

```
***** input: 10_Bat.vm        - failures?
|-----------------------------------------------------|
|    VM Commands   | Marks | Max Mark | Tests | Passed |
|-----------------------------------------------------|
| add              |    80 |       80 |    16 |     16 |
| eq               |    16 |       16 |     1 |      1 |
| gt               |     0 |       36 |     1 |      0 |
| lt               |     0 |       36 |     1 |      0 |
| not              |     9 |        9 |     3 |      3 |
| sub              |    25 |       25 |     5 |      5 |
| return           |   500 |      500 |    10 |     10 |
| goto             |     8 |        8 |     4 |      4 |
| if-goto          |    15 |       15 |     3 |      3 |
| label            |     7 |        7 |     7 |      7 |
| call             |   774 |      774 |    18 |     18 |
| function f 0     |    10 |       10 |    10 |     10 |
| pop pointer 0    |    50 |       50 |    10 |     10 |
| pop temp 0       |    85 |       85 |    17 |     17 |
| pop this 0       |    50 |       50 |     5 |      5 |
| pop this 1       |    10 |       10 |     1 |      1 |
| pop this 2+      |    60 |       60 |     5 |      5 |
| push argument 0  |    70 |       70 |    10 |     10 |
| push argument 1  |    21 |       21 |     3 |      3 |
| push argument 2+ |    18 |       18 |     2 |      2 |
| push constant 0  |    60 |       60 |    15 |     15 |
| push constant 1  |    12 |       12 |     3 |      3 |
| push constant 2+ |    60 |       60 |    10 |     10 |
| push pointer 0   |    42 |       42 |     7 |      7 |
| push this 0      |   112 |      112 |    16 |     16 |
| push this 1      |    70 |       70 |    10 |     10 |
| push this 2+     |   126 |      126 |    14 |     14 |
|-----------------------------------------------------|
|     Totals       |  2290 |     2362 |   207 |    205 |
|-----------------------------------------------------|
Passed 1305 of 1326 Tests

***** input: 11_Average.vm    - failures?
|-----------------------------------------------------|
|    VM Commands   | Marks | Max Mark | Tests | Passed |
|-----------------------------------------------------|
| add              |    25 |       25 |     5 |      5 |
| lt               |     0 |       72 |     2 |      0 |
| not              |     6 |        6 |     2 |      2 |
| return           |    50 |       50 |     1 |      1 |
| goto             |     4 |        4 |     2 |      2 |
| if-goto          |    10 |       10 |     2 |      2 |
| label            |     4 |        4 |     4 |      4 |
| call             |  2881 |     2881 |    67 |     67 |
| function f 4     |    17 |       17 |     1 |      1 |
| pop local 0      |    10 |       10 |     1 |      1 |
| pop local 1      |    10 |       10 |     1 |      1 |
| pop local 2+     |    72 |       72 |     6 |      6 |
| pop pointer 1    |    10 |       10 |     2 |      2 |
```

```
| pop temp 0         |     20 |       20 |    4 |       4 |
| pop that 0         |     10 |       10 |    1 |       1 |
| push constant 0    |     16 |       16 |    4 |       4 |
| push constant 1    |      8 |        8 |    2 |       2 |
| push constant 2+   |    360 |      360 |   60 |      60 |
| push local 0       |     14 |       14 |    2 |       2 |
| push local 1       |     28 |       28 |    4 |       4 |
| push local 2+      |     72 |       72 |    8 |       8 |
| push temp 0        |      6 |        6 |    1 |       1 |
| push that 0        |      7 |        7 |    1 |       1 |
|-------------------------------------------------------|
|      Totals        |   3640 |     3712 |  183 |     181 |
|-------------------------------------------------------|
Passed 1486 of 1509 Tests

***** input: 12_Square.vm    - failures?
|-------------------------------------------------------|
|    VM Commands     | Marks | Max Mark | Tests | Passed |
|-------------------------------------------------------|
| add                |    155 |      155 |   31 |      31 |
| and                |      5 |        5 |    1 |       1 |
| gt                 |      0 |      108 |    3 |       0 |
| lt                 |      0 |      144 |    4 |       0 |
| not                |     15 |       15 |    5 |       5 |
| sub                |     35 |       35 |    7 |       7 |
| return             |    500 |      500 |   10 |      10 |
| goto               |     12 |       12 |    6 |       6 |
| if-goto            |     30 |       30 |    6 |       6 |
| label              |     12 |       12 |   12 |      12 |
| call               |   1161 |     1161 |   27 |      27 |
| function f 0       |     10 |       10 |   10 |      10 |
| pop pointer 0      |     50 |       50 |   10 |      10 |
| pop temp 0         |    130 |      130 |   26 |      26 |
| pop this 0         |     30 |       30 |    3 |       3 |
| pop this 1         |     30 |       30 |    3 |       3 |
| pop this 2+        |     36 |       36 |    3 |       3 |
| push argument 0    |     70 |       70 |   10 |      10 |
| push argument 1    |      7 |        7 |    1 |       1 |
| push argument 2+   |      9 |        9 |    1 |       1 |
| push constant 0    |     76 |       76 |   19 |      19 |
| push constant 1    |     40 |       40 |   10 |      10 |
| push constant 2+   |     72 |       72 |   12 |      12 |
| push pointer 0     |     42 |       42 |    7 |       7 |
| push this 0        |    175 |      175 |   25 |      25 |
| push this 1        |    175 |      175 |   25 |      25 |
| push this 2+       |    243 |      243 |   27 |      27 |
|-------------------------------------------------------|
|      Totals        |   3120 |     3372 |  304 |     297 |
|-------------------------------------------------------|
Passed 1783 of 1813 Tests

***** input: 13_PongGme.vm   - failures?
|-------------------------------------------------------|
|    VM Commands     | Marks | Max Mark | Tests | Passed |
```

```
|--------------------------------------------------------|
| add                |    10 |     10 |    2 |      2 |
| and                |    15 |     15 |    3 |      3 |
| eq                 |   112 |    112 |    7 |      7 |
| gt                 |     0 |    108 |    3 |      0 |
| lt                 |     0 |     72 |    2 |      0 |
| neg                |     3 |      3 |    1 |      1 |
| not                |    30 |     30 |   10 |     10 |
| or                 |     5 |      5 |    1 |      1 |
| sub                |    10 |     10 |    2 |      2 |
| return             |   300 |    300 |    6 |      6 |
| goto               |    30 |     30 |   15 |     15 |
| if-goto            |    60 |     60 |   12 |     12 |
| label              |    27 |     27 |   27 |     27 |
| call               |  2150 |   2150 |   50 |     50 |
| function f 0       |     4 |      4 |    4 |      4 |
| function f 1       |     5 |      5 |    1 |      1 |
| function f 5       |    21 |     21 |    1 |      1 |
| pop local 0        |    50 |     50 |    5 |      5 |
| pop local 1        |    10 |     10 |    1 |      1 |
| pop local 2+       |    36 |     36 |    3 |      3 |
| pop pointer 0      |    20 |     20 |    4 |      4 |
| pop static 0       |     5 |      5 |    1 |      1 |
| pop temp 0         |   100 |    100 |   20 |     20 |
| pop this 0         |    10 |     10 |    1 |      1 |
| pop this 1         |    10 |     10 |    1 |      1 |
| pop this 2+        |   132 |    132 |   11 |     11 |
| push argument 0    |    21 |     21 |    3 |      3 |
| push constant 0    |    72 |     72 |   18 |     18 |
| push constant 1    |    16 |     16 |    4 |      4 |
| push constant 2+   |   270 |    270 |   45 |     45 |
| push local 0       |    42 |     42 |    6 |      6 |
| push local 1       |    14 |     14 |    2 |      2 |
| push local 2+      |    54 |     54 |    6 |      6 |
| push pointer 0     |    24 |     24 |    4 |      4 |
| push static 0      |     6 |      6 |    1 |      1 |
| push this 0        |    56 |     56 |    8 |      8 |
| push this 1        |    42 |     42 |    6 |      6 |
| push this 2+       |   135 |    135 |   15 |     15 |
|--------------------------------------------------------|
|      Totals        |  3907 |   4087 |  312 |    307 |
|--------------------------------------------------------|
Passed 2090 of 2125 Tests

***** input: 14_Ball.vm       - failures?
|--------------------------------------------------------|
|   VM Commands   | Marks | Max Mark | Tests | Passed |
|--------------------------------------------------------|
| add                |    65 |     65 |   13 |     13 |
| and                |    10 |     10 |    2 |      2 |
| eq                 |    96 |     96 |    6 |      6 |
| gt                 |     0 |     72 |    2 |      0 |
| lt                 |     0 |    360 |   10 |      0 |
| neg                |     9 |      9 |    3 |      3 |
```

```
| not              |       18 |       18 |     6 |       6 |
| or               |        5 |        5 |     1 |       1 |
| sub              |       50 |       50 |    10 |      10 |
| return           |      500 |      500 |    10 |      10 |
| goto             |       60 |       60 |    30 |      30 |
| if-goto          |       85 |       85 |    17 |      17 |
| label            |       47 |       47 |    47 |      47 |
| call             |     1290 |     1290 |    30 |      30 |
| function f 0     |        8 |        8 |     8 |       8 |
| function f 3     |       13 |       13 |     1 |       1 |
| function f 5     |       21 |       21 |     1 |       1 |
| pop local 0      |       80 |       80 |     8 |       8 |
| pop local 1      |       80 |       80 |     8 |       8 |
| pop local 2+     |       72 |       72 |     6 |       6 |
| pop pointer 0    |       50 |       50 |    10 |      10 |
| pop temp 0       |       50 |       50 |    10 |      10 |
| pop this 0       |       70 |       70 |     7 |       7 |
| pop this 1       |       70 |       70 |     7 |       7 |
| pop this 2+      |      252 |      252 |    21 |      21 |
| push argument 0  |       70 |       70 |    10 |      10 |
| push argument 1  |       49 |       49 |     7 |       7 |
| push argument 2+ |       63 |       63 |     7 |       7 |
| push constant 0  |       60 |       60 |    15 |      15 |
| push constant 1  |       16 |       16 |     4 |       4 |
| push constant 2+ |      198 |      198 |    33 |      33 |
| push local 0     |       49 |       49 |     7 |       7 |
| push local 1     |       56 |       56 |     8 |       8 |
| push local 2+    |      117 |      117 |    13 |      13 |
| push pointer 0   |       48 |       48 |     8 |       8 |
| push this 0      |      105 |      105 |    15 |      15 |
| push this 1      |       91 |       91 |    13 |      13 |
| push this 2+     |      270 |      270 |    30 |      30 |
|------------------------------------------------------|
|      Totals      |     4193 |     4625 |   444 |     432 |
|------------------------------------------------------|
Passed 2522 of 2569 Tests


Milestone marks 100%


Final marks 94%
```

SVN Log:

```
-------------------------------------------------------------------------
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
-------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
```
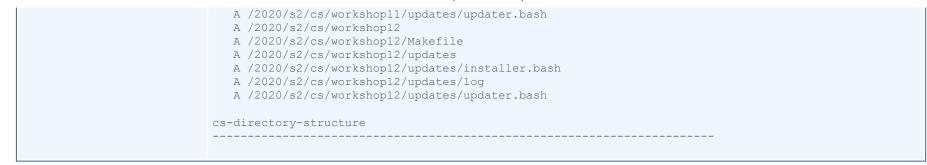
```
------------------------------------------------------------------------
r612 | a1779153 | 2020-10-03 10:36:34 +0930 (Sat, 03 Oct 2020) | 1 line
Changed paths:
   M /2020/s2/cs/assignment2/translator.cpp
   M /2020/s2/cs/assignment2/updates/log

worked on push that command
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
--------------------------------------------------------------------------
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 sovle duplicate error issue
--------------------------------------------------------------------------
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
--------------------------------------------------------------------------
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
--------------------------------------------------------------------------
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
--------------------------------------------------------------------------
r600 | a1779153 | 2020-10-01 17:46:39 +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 and command
--------------------------------------------------------------------------
r599 | a1779153 | 2020-10-01 17:43:55 +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 or command
--------------------------------------------------------------------------
r598 | a1779153 | 2020-10-01 17:34:54 +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 sub command
--------------------------------------------------------------------------
r597 | a1779153 | 2020-10-01 17:29:37 +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 add command
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
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
------------------------------------------------------------------------
r504 | a1779153 | 2020-08-07 00:04:44 +0930 (Fri, 07 Aug 2020) | 1 line
Changed paths:
      A /2020/s2/cs/assignment1
      A /2020/s2/cs/assignment1/Makefile
      A /2020/s2/cs/assignment1/updates
      A /2020/s2/cs/assignment1/updates/installer.bash
      A /2020/s2/cs/assignment1/updates/log
      A /2020/s2/cs/assignment1/updates/updater.bash
      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
A /2020/s2/cs/assignment3
A /2020/s2/cs/assignment3/Makefile
A /2020/s2/cs/assignment3/updates
A /2020/s2/cs/assignment3/updates/installer.bash
A /2020/s2/cs/assignment3/updates/log
A /2020/s2/cs/assignment3/updates/updater.bash
A /2020/s2/cs/exam1-demo
A /2020/s2/cs/exam1-demo/Makefile
A /2020/s2/cs/exam1-demo/updates
A /2020/s2/cs/exam1-demo/updates/installer.bash
A /2020/s2/cs/exam1-demo/updates/log
A /2020/s2/cs/exam1-demo/updates/updater.bash
A /2020/s2/cs/exam1-primary
A /2020/s2/cs/exam1-primary/Makefile
A /2020/s2/cs/exam1-primary/updates
A /2020/s2/cs/exam1-primary/updates/installer.bash
A /2020/s2/cs/exam1-primary/updates/log
A /2020/s2/cs/exam1-primary/updates/updater.bash
A /2020/s2/cs/exam1-repeat
A /2020/s2/cs/exam1-repeat/Makefile
A /2020/s2/cs/exam1-repeat/updates
A /2020/s2/cs/exam1-repeat/updates/installer.bash
A /2020/s2/cs/exam1-repeat/updates/log
A /2020/s2/cs/exam1-repeat/updates/updater.bash
A /2020/s2/cs/exam2-demo
A /2020/s2/cs/exam2-demo/Makefile
A /2020/s2/cs/exam2-demo/updates
A /2020/s2/cs/exam2-demo/updates/installer.bash
A /2020/s2/cs/exam2-demo/updates/log
A /2020/s2/cs/exam2-demo/updates/updater.bash
A /2020/s2/cs/exam2-primary
A /2020/s2/cs/exam2-primary/Makefile
A /2020/s2/cs/exam2-primary/updates
A /2020/s2/cs/exam2-primary/updates/installer.bash
A /2020/s2/cs/exam2-primary/updates/log
A /2020/s2/cs/exam2-primary/updates/updater.bash
A /2020/s2/cs/exam2-repeat
A /2020/s2/cs/exam2-repeat/Makefile
A /2020/s2/cs/exam2-repeat/updates
A /2020/s2/cs/exam2-repeat/updates/installer.bash
A /2020/s2/cs/exam2-repeat/updates/log
A /2020/s2/cs/exam2-repeat/updates/updater.bash
A /2020/s2/cs/exam3-demo
A /2020/s2/cs/exam3-demo/Makefile
A /2020/s2/cs/exam3-demo/updates
A /2020/s2/cs/exam3-demo/updates/installer.bash
A /2020/s2/cs/exam3-demo/updates/log
A /2020/s2/cs/exam3-demo/updates/updater.bash
A /2020/s2/cs/exam3-primary
A /2020/s2/cs/exam3-primary/Makefile
A /2020/s2/cs/exam3-primary/updates
A /2020/s2/cs/exam3-primary/updates/installer.bash
A /2020/s2/cs/exam3-primary/updates/log
```

```
A /2020/s2/cs/exam3-primary/updates/updater.bash
A /2020/s2/cs/exam3-repeat
A /2020/s2/cs/exam3-repeat/Makefile
A /2020/s2/cs/exam3-repeat/updates
A /2020/s2/cs/exam3-repeat/updates/installer.bash
A /2020/s2/cs/exam3-repeat/updates/log
A /2020/s2/cs/exam3-repeat/updates/updater.bash
A /2020/s2/cs/generic
A /2020/s2/cs/generic/Makefile
A /2020/s2/cs/generic/updates
A /2020/s2/cs/generic/updates/installer.bash
A /2020/s2/cs/generic/updates/log
A /2020/s2/cs/generic/updates/updater.bash
A /2020/s2/cs/project01
A /2020/s2/cs/project01/Makefile
A /2020/s2/cs/project01/updates
A /2020/s2/cs/project01/updates/installer.bash
A /2020/s2/cs/project01/updates/log
A /2020/s2/cs/project01/updates/updater.bash
A /2020/s2/cs/project02
A /2020/s2/cs/project02/Makefile
A /2020/s2/cs/project02/updates
A /2020/s2/cs/project02/updates/installer.bash
A /2020/s2/cs/project02/updates/log
A /2020/s2/cs/project02/updates/updater.bash
A /2020/s2/cs/project03
A /2020/s2/cs/project03/Makefile
A /2020/s2/cs/project03/updates
A /2020/s2/cs/project03/updates/installer.bash
A /2020/s2/cs/project03/updates/log
A /2020/s2/cs/project03/updates/updater.bash
A /2020/s2/cs/project05
A /2020/s2/cs/project05/Makefile
A /2020/s2/cs/project05/updates
A /2020/s2/cs/project05/updates/installer.bash
A /2020/s2/cs/project05/updates/log
A /2020/s2/cs/project05/updates/updater.bash
A /2020/s2/cs/project05s
A /2020/s2/cs/project05s/Makefile
A /2020/s2/cs/project05s/updates
A /2020/s2/cs/project05s/updates/installer.bash
A /2020/s2/cs/project05s/updates/log
A /2020/s2/cs/project05s/updates/updater.bash
A /2020/s2/cs/workshop01
A /2020/s2/cs/workshop01/Makefile
A /2020/s2/cs/workshop01/updates
A /2020/s2/cs/workshop01/updates/installer.bash
A /2020/s2/cs/workshop01/updates/log
A /2020/s2/cs/workshop01/updates/updater.bash
A /2020/s2/cs/workshop02
A /2020/s2/cs/workshop02/Makefile
A /2020/s2/cs/workshop02/updates
A /2020/s2/cs/workshop02/updates/installer.bash
A /2020/s2/cs/workshop02/updates/log
```

```
A /2020/s2/cs/workshop02/updates/updater.bash
A /2020/s2/cs/workshop03
A /2020/s2/cs/workshop03/Makefile
A /2020/s2/cs/workshop03/updates
A /2020/s2/cs/workshop03/updates/installer.bash
A /2020/s2/cs/workshop03/updates/log
A /2020/s2/cs/workshop03/updates/updater.bash
A /2020/s2/cs/workshop04
A /2020/s2/cs/workshop04/Makefile
A /2020/s2/cs/workshop04/updates
A /2020/s2/cs/workshop04/updates/installer.bash
A /2020/s2/cs/workshop04/updates/log
A /2020/s2/cs/workshop04/updates/updater.bash
A /2020/s2/cs/workshop05
A /2020/s2/cs/workshop05/Makefile
A /2020/s2/cs/workshop05/updates
A /2020/s2/cs/workshop05/updates/installer.bash
A /2020/s2/cs/workshop05/updates/log
A /2020/s2/cs/workshop05/updates/updater.bash
A /2020/s2/cs/workshop06
A /2020/s2/cs/workshop06/Makefile
A /2020/s2/cs/workshop06/updates
A /2020/s2/cs/workshop06/updates/installer.bash
A /2020/s2/cs/workshop06/updates/log
A /2020/s2/cs/workshop06/updates/updater.bash
A /2020/s2/cs/workshop07
A /2020/s2/cs/workshop07/Makefile
A /2020/s2/cs/workshop07/updates
A /2020/s2/cs/workshop07/updates/installer.bash
A /2020/s2/cs/workshop07/updates/log
A /2020/s2/cs/workshop07/updates/updater.bash
A /2020/s2/cs/workshop08
A /2020/s2/cs/workshop08/Makefile
A /2020/s2/cs/workshop08/updates
A /2020/s2/cs/workshop08/updates/installer.bash
A /2020/s2/cs/workshop08/updates/log
A /2020/s2/cs/workshop08/updates/updater.bash
A /2020/s2/cs/workshop09
A /2020/s2/cs/workshop09/Makefile
A /2020/s2/cs/workshop09/updates
A /2020/s2/cs/workshop09/updates/installer.bash
A /2020/s2/cs/workshop09/updates/log
A /2020/s2/cs/workshop09/updates/updater.bash
A /2020/s2/cs/workshop10
A /2020/s2/cs/workshop10/Makefile
A /2020/s2/cs/workshop10/updates
A /2020/s2/cs/workshop10/updates/installer.bash
A /2020/s2/cs/workshop10/updates/log
A /2020/s2/cs/workshop10/updates/updater.bash
A /2020/s2/cs/workshop11
A /2020/s2/cs/workshop11/Makefile
A /2020/s2/cs/workshop11/updates
A /2020/s2/cs/workshop11/updates/installer.bash
A /2020/s2/cs/workshop11/updates/log
```

```
A /2020/s2/cs/workshop11/updates/updater.bash
A /2020/s2/cs/workshop12
A /2020/s2/cs/workshop12/Makefile
A /2020/s2/cs/workshop12/updates
A /2020/s2/cs/workshop12/updates/installer.bash
A /2020/s2/cs/workshop12/updates/log
A /2020/s2/cs/workshop12/updates/updater.bash

cs-directory-structure
---------------------------------------------------------------------
```

Authorised by: Head of School, School of Computer Science
Maintained by: School of Computer Science
Last Updated: 8 Feb 2020

CRICOS Provider Number 00123M