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FILE: hw6-writeup.pdf

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DESC: This pdf will provide a short description of any challenges and/or issues I faced and how I addressed them in this assignment.

Challenges faced:

I faced very few challenges this assignment compared to previous ones. The majority of my time debugging was spent on the HW6.cpp portion. After an hour or so debugging I was able to find that I forgot to change the JMPF and JMP functions after adding a NOP() previously on the stack, resulting in an infinite loop.

Testing:

All Tests Passing

```
[ RUN      ] BasicVMTest.ConcatStrings
[ OK       ] BasicVMTest.ConcatStrings (0 ms)
[ RUN      ] BasicVMTest.NullConcatFirstOperand
[ OK       ] BasicVMTest.NullConcatFirstOperand (0 ms)
[ RUN      ] BasicVMTest.NullConcatSecondOperand
[ OK       ] BasicVMTest.NullConcatSecondOperand (0 ms)
[-----] 106 tests from BasicVMTest (4 ms total)

[-----] Global test environment tear-down
[=====] 106 tests from 1 test suite ran. (4 ms total)
[ PASSED ] 106 tests.
```

HW6.cpp

```
(base) benpuryear@Bens-MacBook-Pro-6 hw6-Ben10164 % make && ./hw6
[ 10%] Building CXX object CMakeFiles/vm_tests.dir/tests/vm_tests.cpp.o
[ 20%] Linking CXX executable vm_tests
[ 50%] Built target vm_tests
[ 60%] Building CXX object CMakeFiles/hw6.dir/src/hw6.cpp.o
[ 70%] Linking CXX executable hw6
[100%] Built target hw6
Please enter integer values to sum (prime number to quit)
>> Enter an int: 10
>> Enter an int: 6
>> Enter an int: 5
The sum is: 16
Goodbye!
(base) benpuryear@Bens-MacBook-Pro-6 hw6-Ben10164 %
```

```
Please enter integer values to sum (prime number to quit)
>> Enter an int: 10
>> Enter an int: 20
>> Enter an int: 5
The sum is: 30
Goodbye!
```