

CSCI 150 Final Exam Practice

How to read from a file?

How to write to a file?

How to open a file?

How to close a file?

How to create a file?

What are the move and exchange operations?

What are the string operations?

How to repeat a string operation?

What regs/mems are involved in multiplication operations?

What to prepare before doing a signed multiplication>

What regs/mems are involved in division operations?

Which registers are caller saved?

Which registers are callee saved?

Which are the four general purpose registers?

Draw the layout of memory and describe what does each section do.

What instructions does the CPU do?

Show the four command to assemble, link, run, and debug an asm file.

List all the shift operations and describe them.

Show the six general flags used in asm.

Show the conditional jump operations based on these flags.

What does test operation do?

What does cmp operation do?

Convert decimal to binary and hex in 16 bits

signed

a) 689

b) 777

c) -886

Add the two binary number together and show it in binary and hex number
signed

a) 0011 1100 1001 0101, 0101 0111 1010 1000

b) 1000 1011 0111 1111, 1111 0111 0010 1100

b) 1000 1111 1011 0011, 0011 1000 1100 1001