

Write the assembly language code in the Simplified IAS (as you were instructed in class), test it with the simulator. Make sure you test your assembly code and that ALL paths work correctly. Question 1 is worth 20 points and question 2 is worth 10 points. You MUST use comments or lose 5 points per problem.

1. I suggest you test your code with what is listed values, as well as other test values. But don't turn in the tests, only the code as listed below.

```
main () {  
  int a=1,b=3,c;  
  if ( (a >=0) && ( b <=2) ) {  
    if (b > 4) {  
      c = 5 + b;  
    } else {  
      c = b;  
    }  
  } else {  
    if (a == 2) {  
      c = 1;  
    } else {  
      c = a - b;  
    }  
  }  
}
```

2.

```
main () {  
  int a=0, c=0;  
  for (a=2; a <=6; a=a+2) {  
    c = c + ( a/2 + 2);  
  }  
  c = c * 4;  
}
```

Turning in the Assignment: (you must do both sections)

Hard copy:

1. title page:

Cosc 2150
Homework #3
Section #
Repo name
your Name

in large font on the page. At the bottom of the page, include a non-empty statement of help delivered and help received. It is OK to state that no help was given or received. It is **NOT** ok to omit the statement of help.

Soft copy:

1. Use this link to create your repo https://classroom.github.com/a/Binyi_IF
2. Assembly code for question 1 as the file name q1.asm
3. Assembly code for question 2 as the file name q2.asm
4. Edit the readme.md file, add the following:
 - Change X to be 3
 - Name
 - List anything that doesn't work (that you know of)
5. Remember, if the code is not on the github website, then you didn't turn it.