

Write the assembly language code in ARC (simplified SPARC code). Test it with the simulator. You must have comments or lose half the points for each problem. 10 points per question, for a total of 20 points

1. Do not modify the loop it must go from 0 to 4.

```
main () {
int c[5], a;
  for (a=0; a<5; a++) {
    if (a==0) {
      c[a] = 3;
    } else if (a > 3) {
      c[a] = a / 2;
    } else {
      c[a] = a * 4;
    }
  }
}
```

2.

```
main () {
  int b=4;
  int a[2] = {-1,0};

  if ( ((a[0] < 0) || ( b > 4) ) && ( (a[0] + b)*2 >=35) ) {
    a[1] = 10;
  } else {
    a[1] = b*8;
  }
}
```

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

Hard copy:

1. title page:

Cosc 2150
Homework #6
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/te4-rFfX>
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 6
 - 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.