

## CS 311 HW Assignment 4 (Due by 9am on Feb 27<sup>th</sup>)

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1. Given quicksort as follows, complete ***partition***(*int arr[], int low, int high*){}.  
[10 points]

```
void quickSort(int arr[], int low, int high)
{
    if (low < high)
    {
        int pi = partition(arr, low, high);
        quickSort(arr, low, pi - 1);
        quickSort(arr, pi + 1, high);
    }
}
```

### Submission

Complete and **zip** *quicksort.cpp* in a zip file, name the zip file with **your name**, e.g. *XinYe.zip*, and submit the zip file to Cougar Course.

### Grading

1. On Cougar Course, submit all the files in a zip file with your name. Otherwise, we will not grade it.
2. Your code should be compiled on Cougar Course. If there is a compilation error, you will get 0 points.
3. If your code gives incorrect output, we will deduct 90% of the total points.
4. The comments in your code count for 10% of the total points.
5. Additionally, we will deduct 10% of the total points for each day past due.