Grading Guidelines for Assignments 13 and 14 (February 4)

Deduct 1 mark from Assgn 13 if they have not submitted the Intermediate file (unless excused by us)

Assignment 15 (Total Marks = 10):

- Output: 2 marks (1 marks each binary)
  n = 5
  Employee records <employee code, name, age, salary>:
  <1201, Ashok, 35, 50000.5>
  <1203, Amit, 40, 62000>
  <1204, Alok, 30, 30000.5>
  <1205, Chandan, 33, 40000>
  <1206, Robin, 43, 49000.5>
  - Test case 1: k = 50000, x = 1204
    - Should print
      1201, Ashok, 35, 50000.5
      1203, Amit, 40, 62000
      1204, Alok, 30, 30000.5
  - Test case 2: k = 30000, x = 1210
    - Should print
      1201, Ashok, 35, 50000.5
      1203, Amit, 40, 62000
      1204, Alok, 30, 30000.5
      1205, Chandan, 33, 40000
      1206, Robin, 43, 49000.5
      There is no employee with employee code 1210
  - For one of the test cases above, give a duplicate employee code and make sure they do not take it, but take all other 5. Deduct 0.5 (in that test case only) if they do not handle the duplicate.
  - Can print the list in any order, message can be different. But must print each record in different line
- Code: 8 marks
  - SearchEmpl Function: 3 marks
    - Correct parameter add to return age, salary, name: 1 marks
      - 0.5 marks each for age and salary, 0.5 mark for name
      - Give the mark for name as long as they declare a char pointer or array. Whether there is storage behind it will be checked in main
    - Searching by employee code: 1 marks
    - Returning values correctly: 1 mark
  - Main function: 5 marks
    - Malloc of array of structures: 1 mark

- Checking for existing employee code when reading in: 1 mark
    - Make sure they read all n employees or deduct 0.5
- Checking for salary > k and printing – 1 mark
- Calling SearchEmpl with correct parameters: 1 marks
    - 0.5 mark is for allocating space for the name to be returned. They can declare a static array or malloc, but there must be space behind the pointer passed or give 0 for this 1 mark
- Printing appropriate values/message based on return value: 1 mark
    - Deduct 0.5 if they miss the print for x not matching any employee code

Assignment 14 (Total Marks = 10):

- Output (binary marking: either 1 or 0 for each test case): 3 marks
    - Please form a 4x4 array, too much to type
    - Test case 1: Give opt = 1, then opt = 2, then opt = 0
    - Test Case 2: Give opt = 2, opt = 2, opt = 1, opt = 0
    - Test Case 3: Give opt = 1, opt = 1, opt = 2, opt = 0
    - Pls coordinate among yourselves to take the same matrix and decide the outputs
- Code: 7 marks
    - Main function: 4 marks
        - Reading in array: 1 mark
        - Printing array nicely: 1 mark
        - While loop to call rotate and exit on opt=0: 1 mark
        - Calling the function with proper parameters and printing the array after that: 1 mark
    - rotate function: 3 marks
        - Right rotate of rows: 1.5 marks
        - Down rotate of columns: 1.5 marks
        - Ok if they use an additional 1-d array. But if they use an additional 2-d array, deduct 1.5 in this part