CS112: Computing Laboratory

Assignment 6

Evaluation Policy

Total Marks: -20

*Proper indentation is mandatory (3 marks)

*You should comment the statements whenever necessary in order to make the code understandable (2 marks)

Q1-(3 Marks)

     a) Logic – 1 Marks
     b) Compilation -1 Marks
     c) Output Correctness -1 Marks

Test Case1-

     I)   Input: (-70, 20)
     II)   Output: (20, -70)

Test Case2-

     I)   Input: (33.34, 200)
     II)   Output: (200, 33.34)

Q2- (5 Marks)

    a) Logic – 2 Marks
    b) Compilation -1 Marks
    c) Output Correctness – 2 Marks

Test Case1-

   A) Occurrence:
      I)   Input: (You are a good coder, good)
      II)   Output: (11)
   B) Replacement or Error:
      I)   Input: (Great)
      II)   Output: (You are a Great coder)

Test Case2-

   C) Occurrence:
      III) Input: (GOOD LUCK NEXT TIME!, GOOD)

IV)   Output: (1)
  D) Replacement or Error:
     III) Input: (GREAT)
     IV) Output: (GREAT LUCK NEXT TIME!)

Q3- (6 Marks)

   a) Logic – 2 Marks
   b) Compilation -1 Marks
   c) Output Correctness – 3 Marks

Test Case1-

    I)   Input (A={12, 10, 20, 5, 6, 15}, n = 6, k = 3)
    II) Output (A = { 6, 10, 5, 20, 12, 15 })

Test Case2-

    I)   Input (A={13, 9, 7, 17, 2, 5, 4, 19}, n = 8, k = 4)
    II) Output (A = {4, 5, 7, 2, 17, 9, 13, 19})

Q4- (6 Marks)

   a) Logic – 2 Marks
   b) Compilation -1 Marks
   c) Output Correctness – 3 Marks

Test Case1-

   I)   Input ([1, 3, 5, 7, 9, 11], k = 15)
   II) Output:
        a) [3, 5, 7]
        b) [1, 3, 11]
        c) [1, 5, 9]

Test Case2-

    I)   Input ([-4, -1, 2, 5, 8, 11], k = 6)
    II) Output:
         a) [-4, -1, 11]
         b) [-4, 2, 8]
         c) [-1, 2, 5]

**Brackets e.g #{([ ])}# in this document are for better visualization
only output may not contain brackets. .