## **Assignment 1**

UCSE373: OOP using Java Lab Last Date of Submission: 18/10/2021

Q: Write the programs to print each of the followings patterns using nested loops in a class.

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(a)	(b)		(c)	(d)
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(e)	(f)	(g)	(h)	(i)

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                       ##########################
                                (k)
                                                  # # # # # # # # #
       (j)
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                                                         #
                                                        (1)
1
                 1 2 3 4 5 6 7 8
                                               1
                                                       8 7 6 5 4 3 2 1
1 2
                    1 2 3 4 5 6 7
                                                2 1
                                                        7654321
1 2 3
                     1 2 3 4 5 6
                                              3 2 1
                                                        6 5 4 3 2 1
1 2 3 4
                       1 2 3 4 5
                                            4 3 2 1
                                                        5 4 3 2 1
1 2 3 4 5
                          1 2 3 4
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1 2 3 4 5 6
                           1 2 3
                                      6 5 4 3 2 1
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1 2 3 4 5 6 7
                             1 2
                                       7 6 5 4 3 2 1
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1 2 3 4 5 6 7 8
                                      8 7 6 5 4 3 2 1
                             1
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    (m)
                       (n)
                                            (o)
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            1
                              1 2 3 4 5 6 7 8 7 6 5 4 3 2 1
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(r)

(q)

1 1 2 3 4	4 5 6 7 8 7 6 5 4 3 2 1
1 2 2 1 1 2 3 4	4 5 6 7 7 6 5 4 3 2 1
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1 2 3 4 5 5 4 3 2 1 1 2 3 4	4 4 3 2 1
1 2 3 4 5 6 6 5 4 3 2 1 1 2 3	3 2 1
1 2 3 4 5 6 7 7 6 5 4 3 2 1 1 2	2 1
1 2 3 4 5 6 7 8 7 6 5 4 3 2 1 1	1
(s)	(t)
1	
2 3 2	
3 4 5 4 3	
4 5 6 7 6 5 4	
5 6 7 8 9 8 7 6 5	
6 7 8 9 0 1 0 9 8 7 6	
7 8 9 0 1 2 3 2 1 0 9 8 7	
8 9 0 1 2 3 4 5 4 3 2 1 0 9 8	
(u)	