

## Assignment 1

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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(j)	(k)	# # # # # # # #
		# # # # # # #
		# # # # #
		# # #
		#
		(l)

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	7 6 5 4 3 2 1
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	5 4 3 2 1	4 3 2 1
1 2 3 4 5 6	1 2 3	6 5 4 3 2 1	3 2 1
1 2 3 4 5 6 7	1 2	7 6 5 4 3 2 1	2 1
1 2 3 4 5 6 7 8	1	8 7 6 5 4 3 2 1	1
(m)	(n)	(o)	(p)

1	1 2 3 4 5 6 7 8 7 6 5 4 3 2 1
1 2 1	1 2 3 4 5 6 7 6 5 4 3 2 1
1 2 3 2 1	1 2 3 4 5 6 5 4 3 2 1
1 2 3 4 3 2 1	1 2 3 4 5 4 3 2 1
1 2 3 4 5 4 3 2 1	1 2 3 4 3 2 1
1 2 3 4 5 6 5 4 3 2 1	1 2 3 2 1
1 2 3 4 5 6 7 6 5 4 3 2 1	1 2 1
1 2 3 4 5 6 7 8 7 6 5 4 3 2 1	1
(q)	(r)

1	1	1 2 3 4 5 6 7 8 7 6 5 4 3 2 1
1 2	2 1	1 2 3 4 5 6 7 7 6 5 4 3 2 1
1 2 3	3 2 1	1 2 3 4 5 6 6 5 4 3 2 1
1 2 3 4	4 3 2 1	1 2 3 4 5 5 4 3 2 1
1 2 3 4 5	5 4 3 2 1	1 2 3 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)